The HP DeskJet 720C Series Printer User's Guide

English

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CHAPTER

1 Printing Basics

How to Choose Paper

How to Put Paper in the Printer

How to Print

Printer Software: Your Printer's Remote Control

Although your printer can do some pretty fancy stuff, most of the time you'll be printing words and pictures on paper. The process is simple: First choose the paper you want to use; load the paper in your printer; choose your print settings from the printer software; and then print from the computer software program you're using.

If you want to know more about the printing basics, read on. And don't miss the tips on each page.

Paper Pointers

Get the Right Paper

Use HP paper for vivid color and the sharpest text. Here are some of your choices:

- HP Premium Inkjet Paper. Its matte finish captures brighter colors and sharper images for more brilliant documents and presentations.
- HP Deluxe Photo Paper uses Kodak Image Enhancements technology to give you excellent skintones and true-to-life landscape colors.
- HP Bright White Inkjet Paper produces high-contrast colors and sharp text. The brightest and whitest of any inkjet paper, it gives you the ability to print on both sides without show-through.
- HP Premium Photo Paper produces spectacular photos that look and feel like traditional photos.

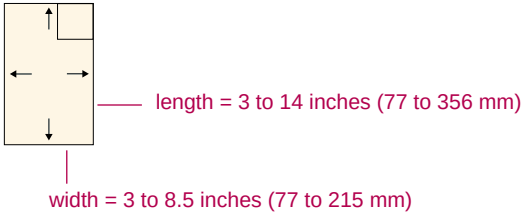
HP papers are available at most computer supply stores or by calling HP Direct (see page 53).

How to Choose Paper

Most plain photocopy paper works fine in your printer, particularly paper that is marked for use in inkjet printers. To get the best results, use one of the Hewlett-Packard papers, which were developed especially for HP inks and your printer.

What to Consider

Size. You can use any size paper that fits easily within the paper adjusters of the printer.



Weight. You can choose from a wide range of paper weights, as listed on page 49. Use 20–24-pound or 75–90 gsm plain paper for multipurpose, everyday use.

Brightness. Some papers are whiter than others and produce sharper, more vibrant colors. Use HP Deluxe Photo Paper for documents with photographs; use white paper for documents with any other pictures.

Surface smoothness. The smoothness of the paper affects how crisp the printing looks on the paper. Paper with a high cotton content (25% to 100%) tends to offer greater surface smoothness. Glossy, coated paper works well for pictures and charts (where you want crisp lines with intense, high-quality colors) and for photocopying.

Opacity. Opacity refers to the degree to which printing on one side of the paper shows through to the other side. Use paper high in opacity (or thicker paper) for two-sided printing.

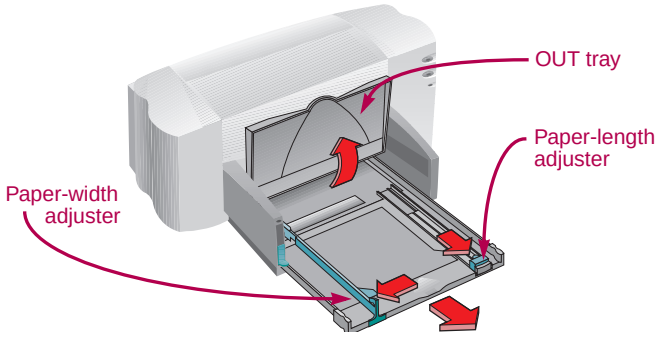
How to Put Paper in the Printer

Take a second to load the paper correctly in the IN drawer. Make sure all the paper in the drawer is the same size and type, and that the paper adjusters rest snugly against the paper. The printer will do the rest.

Let's walk through the process step by step:

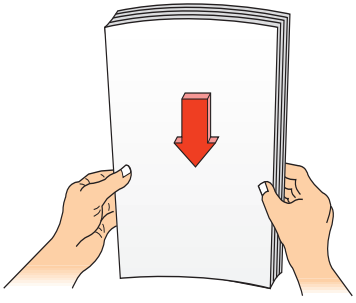
1 Slide out the green paper-width and paper-length adjusters to make room for the paper.

If you want, you can slide out the IN drawer to insert the paper more easily. You can flip up the OUT tray if you want to see better.



2 Fan the edges of the paper stack to separate the pages. Then tap the stack on a flat surface to even it up.

You can insert up to 3/8 in or 10 mm at a time.



Paper Pointers

Paper that might not work

- Highly textured stock such as linen might not print evenly; the ink could bleed into these papers.
- Extremely smooth, shiny, or coated papers not specifically designed for inkjet printers could jam the printer and might actually *repel* ink.
- Multi-part forms (such as duplicate or triplicate forms) could wrinkle in the printer or get stuck; the ink is also more likely to smear.
- Paper in poor condition—with tears, dust, wrinkles, or curled or bent edges, or that doesn't lie flat—could jam the printer.

Paper Pointers

Printside down

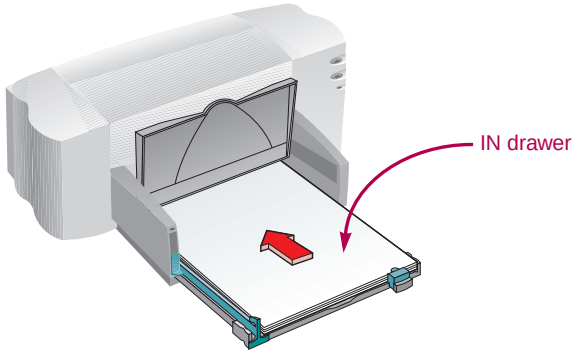
Most paper prints better on one side than on the other. This is especially true for coated or specially treated paper. The print side is usually indicated on the paper package.

Printing Zone

Your printer can't print right to the edge of the paper. Be sure to set the margins so that the document falls within the printable area, or part of it could be cut off. For details, see page 48.

3 Put the paper in the IN drawer, print side down.

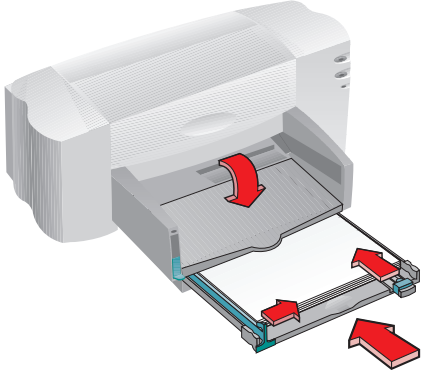
Push the paper in toward the back of the paper drawer until it stops.



4 Slide the paper adjusters in so they fit snugly against the edges of the paper.

Make sure the paper still lies flat in the drawer and that the paper fits easily under the tab of the paper-length adjuster. (See page 28 for more information if you're loading small-sized paper.)

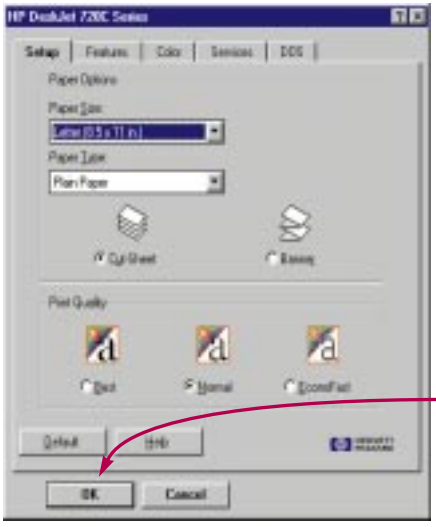
5 Push the paper drawer back in and flip the OUT tray back down.



How to Print

1 Check your print settings in the HP print settings box. (See page 9 to find out how to get to the box.)

If you're printing one copy, on plain paper with portrait orientation, the default settings will work fine for you. (Chapters 2 and 3 explain why you might want to change the settings for different types of printing.)



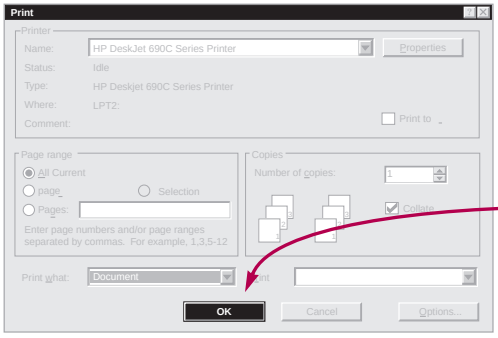
HP print settings box

Click *OK* to save your settings.

2 Click *OK* in the HP print settings box to save your settings.

3 Click *OK* in the *Print* box of your software program to start printing.

(You might need to click *File* and then *Print* to reach the *Print* box.)



The *Print* box in your software program

Click *OK* to print.

That's all there is to it. The printer will print one page at a time until it finishes, delivering each printed page into the printer's OUT tray.

Handy Hints

Printing From DOS

For information about printing from DOS programs, turn to page 50.

Pick a Paper Type

If you're using HP paper in your printer, in the HP print settings box select the right paper type for your paper.

- Select *Plain Paper* for
  - HP Bright White Paper
  - HP Banner Paper
- Select *HP Premium Inkjet Paper* for
  - HP Premium Inkjet Paper
  - HP Greeting Card Paper
  - HP Iron-On T-Shirt Transfers
  - HP Premium Inkjet Heavyweight Paper
- Select *HP Deluxe Photo Paper* to use Kodak Image Enhancements technology with HP Deluxe Photo Paper.
- Select *HP Premium Photo Paper* for HP Premium Photo Paper.

What If

THE PRINTOUTS ARE SPLOTCHY AND UNEVEN

First check the print cartridges—they might be dirty or running out of ink. To find out how to clean or replace them, open the HP Toolbox (see page 11) and click the *Printer Services* tab for cleaning or the *How Do I?* tab for replacing cartridges.

YOU CAN'T FIND THE JAMMED PAPER

If you can't see the paper causing the jams, check to see if a label has come unglued from a label sheet while going through the printer.

While You're Printing

It takes a few moments for the printing to start, while the printer gets information from the computer. Even after it's started printing, the printer might pause occasionally to receive more information.

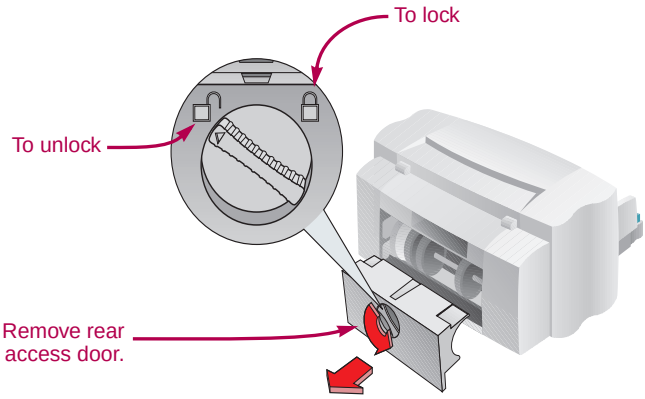
If you run out of paper before you've finished

The printer will prompt you to add more paper. Put the paper in the IN drawer, and then press the Resume button on the front of the printer.

If the paper jams in the printer

If the paper jams in the printer, you'll usually be able to pull the paper out from either the IN drawer or the OUT tray. Then press the Resume button on the front of the printer. The printer will turn off and then on again on its own. You'll need to resend your job to the printer.

Sometimes the paper jams in the back of the printer. If you can't reach the jammed paper, turn the knob on the rear access door at the back of the printer 1/4 turn counter clockwise and remove the door.

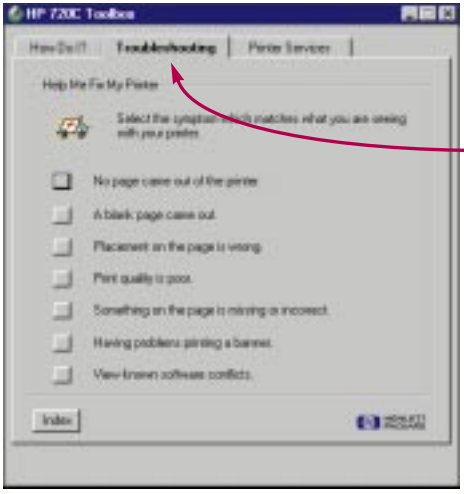


Pull the jammed paper out of the printer and then replace the door, making sure to lock the door by turning the knob clockwise to the locked position. Press the Resume button on the front of the printer and resend your print job.

Troubleshooting

If a problem occurs during printing, you'll see a message on your screen telling you what's wrong and how to fix it.

If you don't get a message but you notice that something is wrong or you don't like how the printout looks, click the *Troubleshooting* tab in the HP Toolbox and follow the instructions on the screen. (See page 11 to find out how to get to the HP Toolbox.)



Click the *Troubleshooting* tab.

What If

You aren't seeing any messages

If you seem to be having a problem but you aren't seeing any messages on your screen, it might be because you don't have two-way communications (see page 44 for more information).

Handy Hints

HP on the World Wide Web

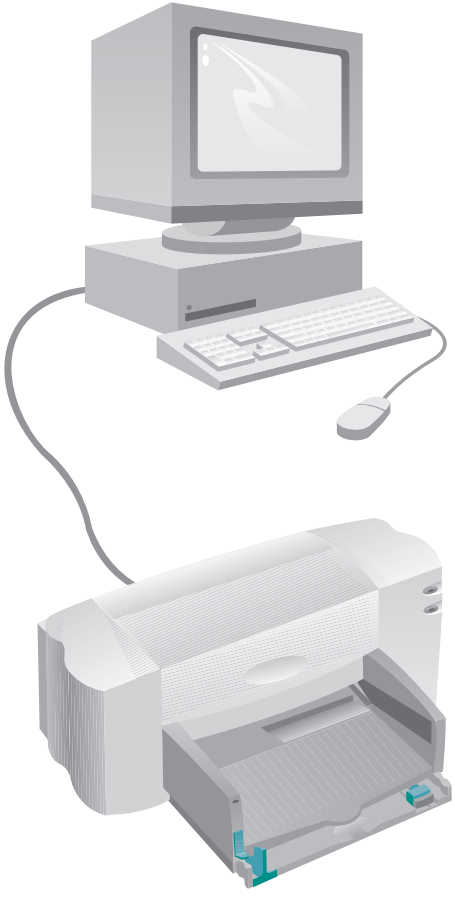
You can get the latest product information, troubleshoot problems, and download updated printer software from HP's World Wide Web site at URL **http://www.hp.com** or **http://www.hp.com/go/peripherals**

Printer Software: Your Printer's Remote Control

Although your printer has a couple of buttons on it, you really control the printer remotely, through your software program and through the printer software you installed on your computer.

Instead of pushing buttons on a remote control, you make your selections in the HP print settings box and the HP Toolbox. (But, just like a remote control, sometimes these two boxes are hard to find.)

Tell the Printer What You Want



Printer Software

HP Print Settings Box

How to find it: see page 9
What it does: see page 10

HP Toolbox

How to find it: see page 11
What it does: see page 12

See the Results!

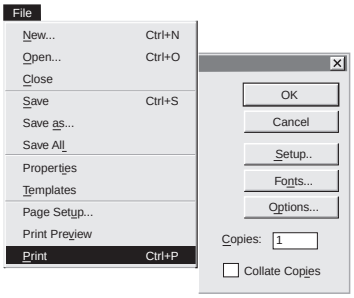
THE HP PRINT SETTINGS BOX: HOW TO FIND IT

You can select settings such as the paper type, paper size, orientation and print quality in this box. How you find the box differs depending on which software program and which operating system you're using.

Try these strategies from the File menu of your document, and you're sure to get there.

TRY THIS

1 Click *File* and then click *Print*.

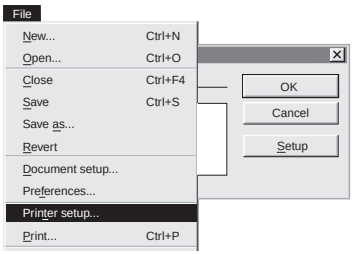


2 Then click whichever button you see—*Properties, Setup,* or *Printer*. (Clicking *Options* at this point won't get you there.)

3 If you still don't see the box, click *Setup*, *Options* or *Properties*.

...OR TRY THIS

1 If *Print* isn't there, then click *Printer Setup* or *Print Setup*.



2 Then click whichever button you see—*Setup* or *Options*.

YOU'RE THERE!

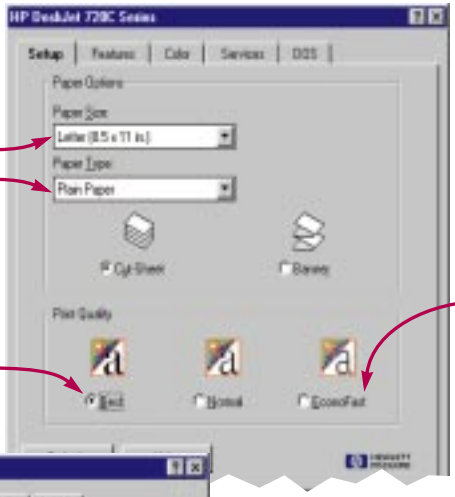
FOR MORE INFORMATION ABOUT THE HP PRINT SETTINGS BOX, SEE ONLINE HELP.

THE HP PRINT SETTINGS BOX: WHAT IT CAN DO FOR YOU

CLICK A TAB AND THEN CLICK A SETTING.

Select the appropriate settings. Choose the right paper size and type for the job.

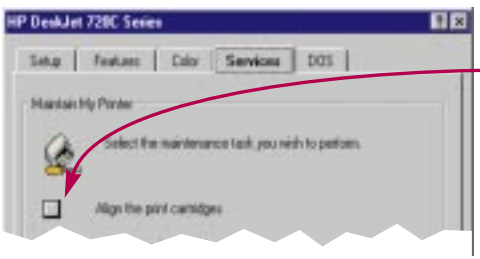
Show your finished work at its best. Click *Best* print quality.



Save time and ink. Click *EconoFast* print quality.

Save money and trees. Print on both sides of the paper (when available).

Save time and color ink. Click here to print drafts of color documents in shades of gray.



Print clearly. Align your black and color cartridges, and clean them when necessary, as described in online troubleshooting.

CLICK *OK* TO SAVE YOUR SETTINGS.

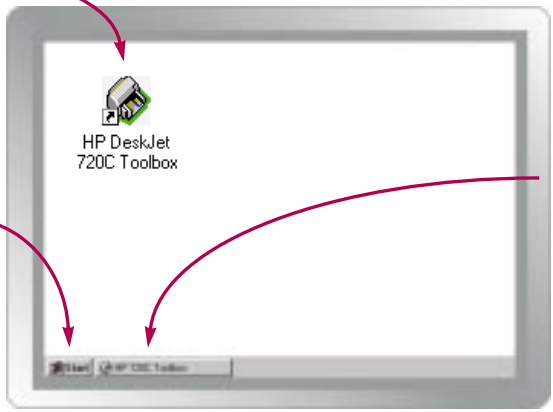
THE HP TOOLBOX: HOW TO FIND IT

The HP Toolbox tells you how to print and how to troubleshoot your printing problems. It even allows you to align and clean your print cartridges. For each Windows system, here are a couple of places to find the HP Toolbox.

Windows 95 and Windows NT 4.0

Double-click the HP Toolbox shortcut icon. This shortcut is on your desktop.

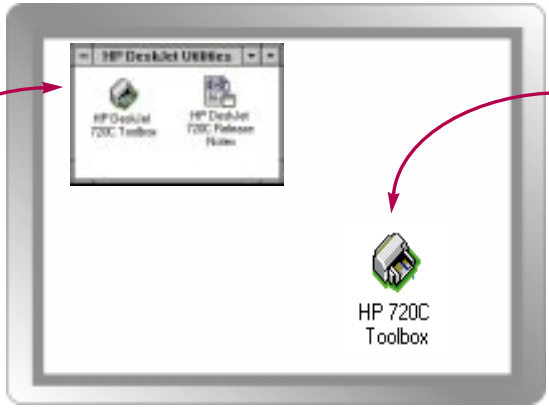
If you've removed the HP Toolbox icon, click *Start*, point to *Programs*, point to *HP DeskJet Utilities*, and then click *HP DeskJet 720C Toolbox*.



Click the *HP Toolbox* button. This button appears on the Task-bar at the bottom of the screen when the HP Toolbox is open and whenever you're printing.

Windows 3.1*x*

If you close the HP Toolbox, it'll reappear when you're printing. Or you can double-click it in the HP DeskJet Utilities group in the Program Manager.



Double-click the HP Toolbox icon. It's on your desktop when you start your computer.

THE HP TOOLBOX:
WHAT IT CAN DO FOR YOU

How Do I?
Follow the steps to print what you want.

Troubleshooting
Find your way to a solution when things go wrong.
(See page 40 for more information.)

Printer Services
Keep your printer in working order.

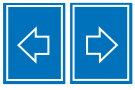
CHAPTER

2

Beyond the Basics

How to Print on Different Paper Sizes

How to Print on Both Sides of the Paper



How to Flip a Document

About Color

About Pictures

About Text

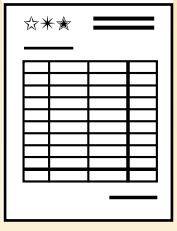
With the printing basics down, you're ready to learn more about what your printer can do for you and how you can get the most out of your printer.

Preprinted paper

You can buy pre-printed checks or business forms (such as invoices and statements) that are designed for inkjet printers. When you print on these forms, just remember to load the printed side face down, with the top of the page going into the printer first.

Create your own business forms

You can create customized business forms or business cards with your own logo, name, and address and print them as you need them. Software programs usually provide templates that can help you design the forms.



How to Print on Different Paper Sizes

Most of the time, when you print on plain paper, cards, labels, and envelopes, you select one of the standard sizes in the *Paper Size* box on the *Setup* tab of the HP print settings box. But you're not limited to the sizes listed. Just make sure the size of the paper falls within the following dimensions (so the printer rollers can pick up the paper):

Width: 3 to 8.5 inches (77 mm to 215 mm)
Length: 3 to 14 inches (77 mm to 356 mm)

Then follow these steps:

1 In the HP print settings dialog box, click the *Setup* tab, and then select *Custom* in the *Paper Size* list. (See page 9 to find out how to get to the HP print settings box.)

Select *Custom*.

2 Type the dimensions of the paper in the *Custom Paper Size* box, and then click *OK*.

3 Load the paper in the printer and print as you would for normal paper sizes.

For small paper sizes, you might need to push the small green sliding adjuster in further to hold the paper snugly lengthwise, as described on page 28.

After Printing

Change the *Paper Size* back to *Letter* or *A4*, or to whatever paper size you'll be printing on next.

Paper Pointers

Change the shape

Even though you print on flat paper, there's no reason to leave it that way. Buy an origami book and learn to change the shape of your printed paper. Or add shape to your printed piece by gluing small charms, buttons, or dried flowers onto card stock.

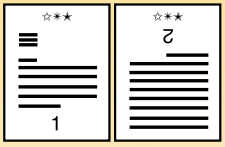
Paper Pointers

Paper that won't show through

Look for any paper in which pictures and text printed on one side don't show through on the other. Collect sample sheets that are 24-pound (90 gsm) or heavier, and test them to make sure they do the job.

What If

The second side printed like this:



- You might have selected *Tablet* instead of *Book* in the HP print settings box. (See step 3.)
- You might have forgotten to rotate the paper after the first side printed. Print the document again, carefully following the directions on your screen.

How to Print on Both Sides of the Paper

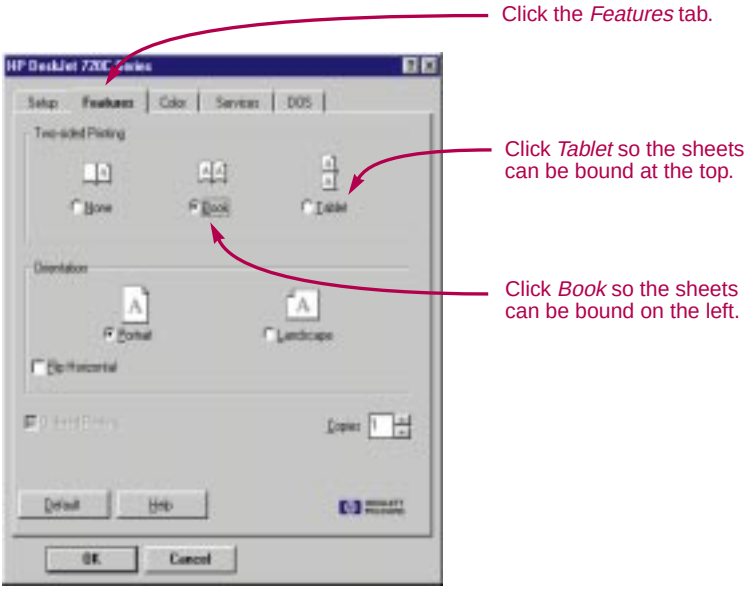
The easiest way to save paper is to print on both sides of it. Just put the paper through the printer twice: Select a two-sided printing option and follow the directions on your screen.

1 Load the paper in the IN drawer.

Make sure there's no paper in the OUT tray.

2 In the HP print settings box, click the *Features* tab. (See page 9 to find out how to get to the HP print settings box.)

3 Then click *Book* or *Tablet*.



4 Print your document.

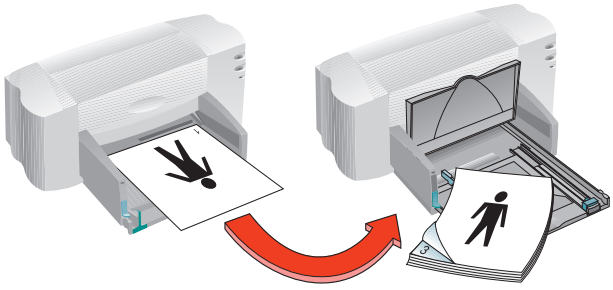
The printer automatically prints only the odd-numbered pages. The printer then displays a message on your computer screen telling you how to reload the paper.

! At the time of this publication, this feature was not available in the Windows NT 4.0 environment.

5 Put the printed pages back in the IN drawer of the printer.

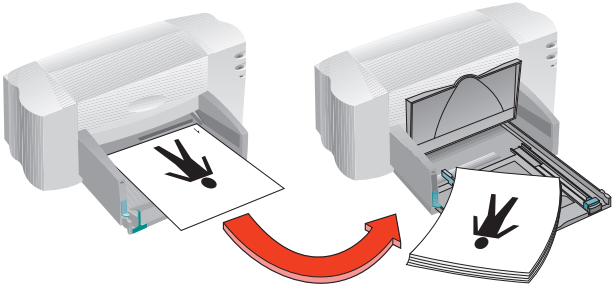
The following illustrations show how to put the paper back in the printer for the *Book* option and the *Tablet* option.

***Book* option**



Odd-numbered pages print first. Reload to print even-numbered pages.

***Tablet* option**



Odd-numbered pages print first. Reload to print even-numbered pages

The printer prints the even-numbered pages on the reverse side of the odd-numbered pages.

6 When the paper is ready, flip the OUT tray down again and click *Continue* in the message box.

The printer prints the even-numbered pages on the reverse side of the odd-numbered pages.

After Printing

Change the *Two-Sided Printing* option back to *None*.

What If

Both pages printed on one side of the paper

You put the paper print side down when you replaced it in the printer. Print your document again, paying special attention to the instructions on your screen.

The ink smeared

The ink might not have dried completely, so wait a bit longer before you print the second side. You can shorten drying times by reducing the quality of the printing—for example, change from *Normal* to *EconoFast* print quality on the *Setup* tab of the HP print settings box.

Handy Hints

Why flip a document?

You'll want to flip a document when you use an iron-on transfer (see page 39); the image you're transferring is flipped back to its original orientation when it's ironed onto the cloth.

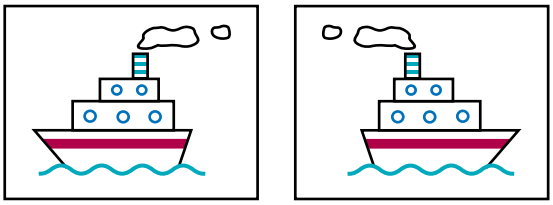
You might want to flip a document before printing it on a transparency; then you can make notes on the back of the transparency and easily wipe them off later without scratching the transparency.

Cheaper than light

Did you know that when your printer is turned on it uses less energy than most light bulbs—a mere 12 watts while it's printing.

How to Flip a Document

When you print a flipped document, the text and pictures are flipped horizontally (mirrored) from what you see on your computer screen.

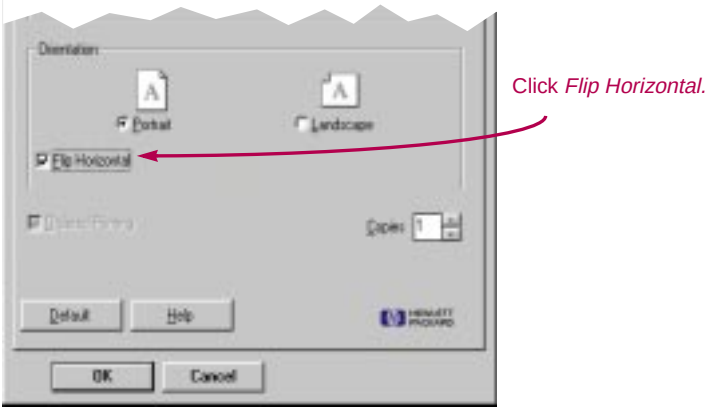


The original | The flipped document

1 Load the paper in the IN drawer.

If you're printing on transparencies, see page 31. If you're printing on iron-on transfers, see page 39.

2 In the HP print settings box, click the *Features* tab, and then click *Flip Horizontal*. (See page 9 to find out how to get to the HP print settings box.)



3 Print your document.

The text and pictures are reversed. Hold the printout up to a mirror to see how the final product will look.

After Printing

- Click the *Flip Horizontal* box again to clear it.
- If you used transparencies or iron-on transfer paper, remove it from the IN drawer and replace it with plain paper or whatever you'll be using next.

About Color

One of the simplest ways to make your documents clearer and visually interesting is to print in color. The printer combines the four colors in the two print cartridges—black, cyan, yellow, and magenta—to match the colors of the text and pictures (even photographs) on your screen.

Black Cyan Yellow Magenta

Turning Off Color

The color text and pictures that you create in your documents will automatically print in color. You can print drafts of your color documents in grayscale if you're going to photocopy them in black and white or if you want to save time and ink.

- In the HP print settings box, click the *Color* tab, and then click *Print in Grayscale*.

A "✔" in this box means that color is turned off.

Your color documents will print in shades of gray until you change the setting.

If you want exceptional quality black and white documents, use *Best* or *Normal* mode with the grayscale setting. In these modes the printer will use some color ink

What If

The printed colors don't match the screen colors

Because of the physics of how color is made on screen (with light) and at the printer (with dyes and pigments), there might be a slight mismatch.

The colors aren't as vivid as they should be

You might be printing on the wrong side of the paper. If turning the paper over makes no difference, change the print quality to *Best*. If you're using a special paper, change the *Paper Type* setting to match the paper (see page 5).

Handy Hints

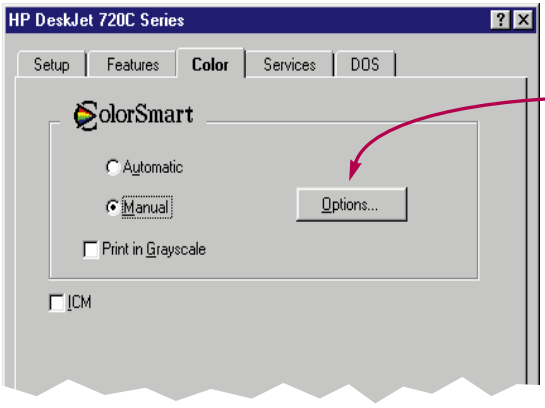
COLORSMART II TECHNOLOGY

Your printer is especially smart about printing color. (That's why HP calls the technology ColorSmart II!) When you print a document in color, the printer marks each element in your document—text, full-color photographs, and graphics (such as pie charts with solid blocks of color)—and renders each at its vivid best—even those printed from the Internet. You get high-quality color at less expense than making color copies at a copy shop.

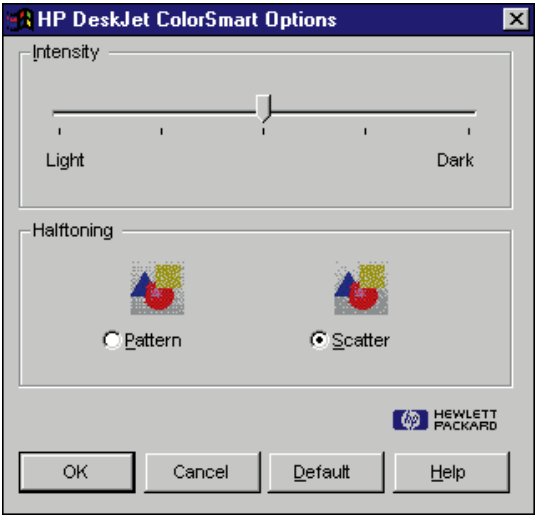
Adjusting the Color

Like a full-featured camera, your printer can "autofocus," using HP's ColorSmart technology to automatically make adjustments that will give you the best quality color printing. But if you prefer, you can manipulate the settings yourself to produce the effect you want:

1 In the HP print settings dialog box, click the *Color* tab and then click *Manual*. Then click *Options*.



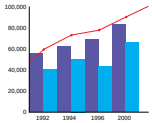
2 Change the *Intensity* or *Halftoning* settings.



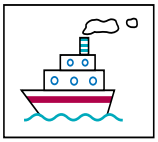
To find out more about these settings, click *Help*.

About pictures

Pictures, graphics, and art are some generic terms used to describe the elements in your documents that aren't text (such as charts, illustrations, decorative elements, and photographs).



Charts and graphs



Illustrations

Decorative elements

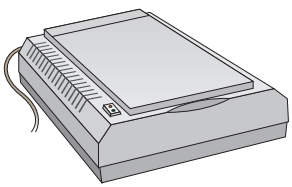
Photographs

To put a picture in a document you want to print, you first need to get it into an electronic form (a computer file). Then it's simple to copy it into a document—the user's guide for the software program you're using tells you how. Here are some possibilities for getting your pictures into electronic form.

- Draw the pictures yourself, using the drawing tools in a software program.

- Use ready-made clip art—you can get it from a variety of sources, including the Internet and your software programs. See "Need a picture?" for more ideas.

- Scan the pictures yourself. Use your own scanner or gather your pictures and rent a scanner at a local copy shop.



Handy Hints

Need a picture?

Look through computer magazines for the names of companies that sell clip art. They'll be happy to send you full-color pictures of their extensive offerings. Or browse in the art sections of bookstores for books of copyright-free pictures.

Remember that it is against the law to copy any photograph unless you have been given specific permission to do so by the person or company who owns the original.

What If

Pictures take longer than you expect to print

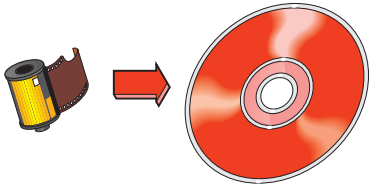
Be patient. Because of their complexity, pictures, particularly color photographs, can take a long time to print.

If you're printing a draft, you can speed up printing by using *EconoFast* print quality (directions on page 10), though the quality won't be the best. Or you can turn off color altogether and print a fast, inexpensive black draft.

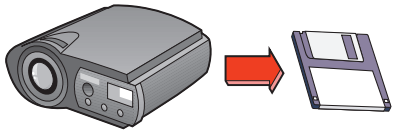
Pictures don't look as crisp as the scanned original

The picture might have been scanned at a higher number of dots per inch (dpi) than your printer can print. To get the best results, scan photographs at 150 or 300 dpi. If you scan them at a higher dpi, you won't improve the print quality, and the pictures will take longer to print.

- Get your photos scanned at your local camera shop. For a small fee, you can have an entire roll of pictures put on a CD-ROM disk. Be sure to ask your camera shop to also put a CD-viewing application on the disk with your pictures.



- Take a digital picture. A digital camera bypasses film entirely and makes the picture into a computer file. Call a full-service copy shop or a camera supply store about renting one.



About Text

The words on the page look the way they do because of the fonts you use when you type the text in your software program. Fonts are sets of characters (uppercase and lowercase letters, numerals, and punctuation marks) with a particular design or look to them. Each font has a name, such as Times New Roman or Creepy.

Creepy
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789!@#$%^&*()_+?><`=-

Choosing Fonts

When you're choosing fonts, you can think of them in these groups:

- Serif fonts have tags (tails) on the letters, which lead your eye from one character to the next. Serif fonts are good for blocks of text.
- Sans serif fonts have no tags. Their clean lines make them ideal for headlines and other large text.
- Special-purpose fonts. These include decorative and script fonts usually used as special effects for small amounts of text in large sizes.

Times New Roman ← Serif

Arial ← Sans serif

Snowdrift ← Special purpose

Handy Hints

Some letters look like pictures

Wingdings are symbol (or picture) fonts that you type using the letter or number keys on your keyboard. You format them like text—you can add color, change their size, and so on.

But how do you know which letter or number to type for a picture? Make a chart! Simply type every letter and number on your keyboard twice, on two lines, one beneath the other. Make all the text big enough so the pictures will be clear—30-point text works well. Then highlight every other line and format it as Wingdings.

A B C

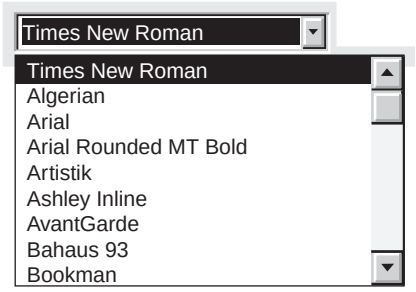
Handy Hints

Seeing fonts close up

Most software programs give you just a peek at the look of a font. But if you're working in Windows 95, it's easy to print a sample page of each font. Simply click *Start* and then point to *Settings.* Click *Control Panel* and then double-click *Fonts*. Double-click any font you want to preview and then click *Print* to print a sample.

Using Fonts

Many software programs include a *Font* command that lists the available fonts. Usually you'll select the text and apply the font (or include the font as part of a style definition). See the user's guide for the program you're using to find out how to select fonts for your text.



Buying Fonts

Fonts are included with most software programs and operating systems you purchase. You can buy additional fonts and install them on your computer, where they're stored in your computer's memory.

You can buy two types of fonts for your computer:

- TrueType fonts, which are fonts that can be scaled to different sizes and that look exactly the same on your computer screen and on the printed page.
- Type 1, or postscript, fonts (if you're using a type manager).

CHAPTER 3

What You Can Print

Envelopes

Labels

Transparencies

Photographs

Cards

Banners

Iron-On Transfers

With the printing basics down, you're ready for some results. Here are some ideas of what your printer can print on different media types:

- One envelope at a time or a stack of envelopes.
- Labels—label your file folders or get those monthly mass mailings out the door.
- Transparencies for important presentations.
- Photographs—make personalized buttons or name tags.
- Business cards, recipe cards, or invitations to opening night.
- Banners to attract visitors to your sales booth.
- Iron-on transfers on sun visors printed with your company logo.

Handy Hints

Follow your software

If your software program includes an envelope printing feature, follow those instructions instead of the procedure provided here.

Paper Pointers

Envelopes that won't work

Avoid shiny or embossed envelopes, or those that have clasps or windows. (Use transparent labels instead for these sorts of envelopes.) Also, envelopes with thick, irregular, or curled edges or with areas that are wrinkled, torn, or otherwise damaged could get stuck in the printer.

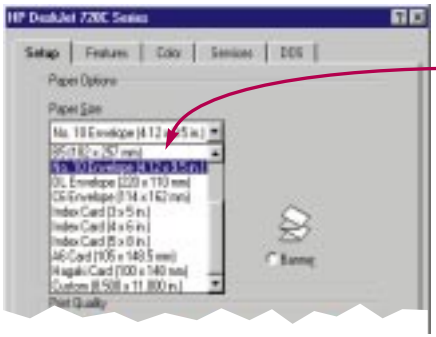
Envelopes

Your printer provides two methods for printing envelopes:

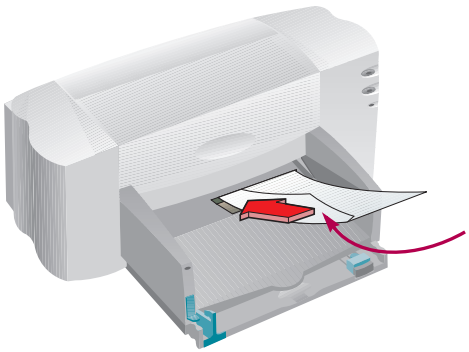
- If you're printing a single envelope, you can use the single-envelope slot and leave your paper in the IN drawer. This allows you to print the envelope and then a letter.
- If you're printing a stack of envelopes, use the IN drawer.

How to Print a Single Envelope

1 In the HP print settings box, click the *Setup* tab, then select an envelope size in the *Paper Size* box. (See page 9 for how to get to the HP print settings box.)



2 Slide the envelope into the single-envelope slot, as shown here, until it stops.



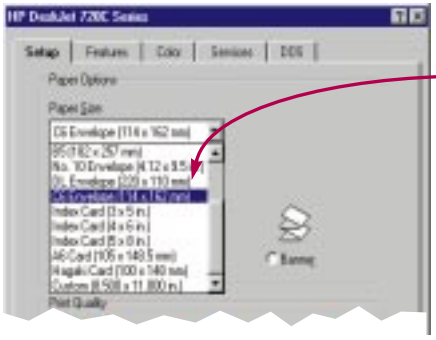
3 Print the envelope.

After Printing

- Change the paper size in the HP print settings box back to *Letter* or *A4* or to whatever you will be printing on next.

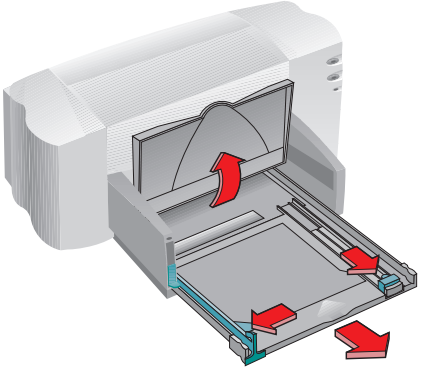
How to Print a Stack of Envelopes

1 In the HP print settings box, click the *Setup* tab, then select an envelope size in the *Paper Size* box. (See page 9 for how to get to the HP print settings box.)

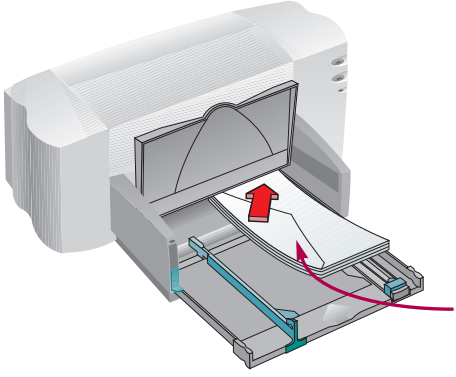


2 Slide both of the paper adjusters out.

Make sure the IN drawer is empty.



3 Put a stack of up to 15 envelopes in the printer, as shown below. (If you're using thick envelopes, you might need to reduce the number.)

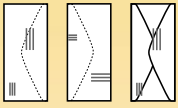


What If

The printer won't pick up the envelope

If you're printing a single envelope using the single-envelope slot, you might not have pushed the envelope far enough into the printer. If you're printing a stack of envelopes, you might have included too many in the stack. Reduce the number and try again.

Your envelopes print like this



You might have put the envelope in incorrectly. Or you might not have selected an envelope in the *Setup* tab of the HP print settings box. Or you might not have made a special adjustment required by your word processor. (See the word processor user's guide for instructions.)

Paper Pointers

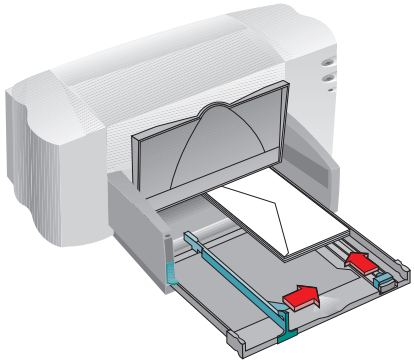
Make a match

If you want to print your cards, or invitations on predesigned paper, don't stop there. You can buy envelopes designed to match the paper. Try HP Greeting Card Paper.

Wrap a letter

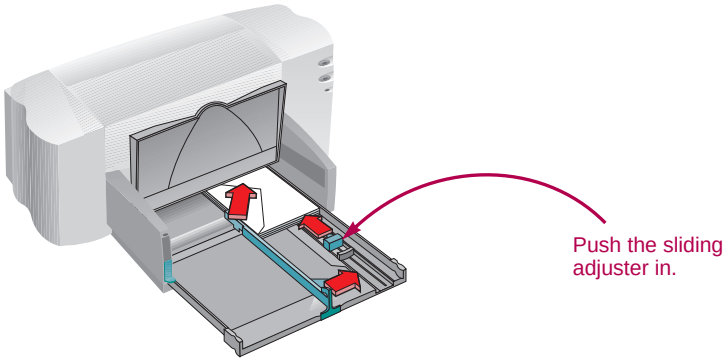
An envelope is like gift wrap: It can impress and intrigue, provoking the receiver to open it. You can buy envelopes made from recycled out-of-date maps or recycled art magazine pages. Browse a large stationery or paper-specialty store for them.

4 Slide the paper adjusters so that they fit snugly against the edges of the envelope.



Small Envelopes

If you're printing on small envelopes such as A2 or C6, you'll need to push the sliding adjuster in until it fits snugly against the edge of the envelopes.



5 Push the IN drawer back in and flip the OUT tray down.

6 Print the envelopes.

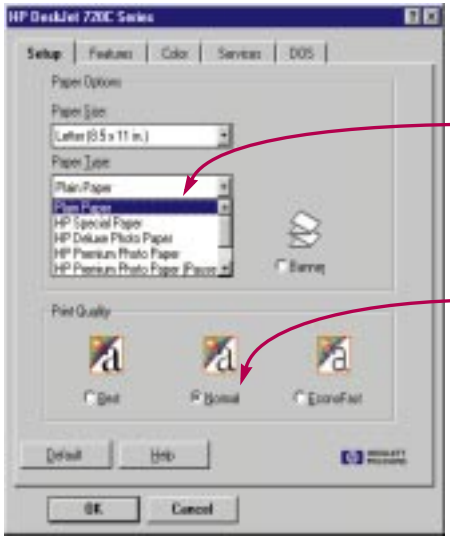
After Printing

- Change the paper size in the HP print settings box back to *Letter* or *A4* or to whatever you will be printing on next.
- Remove any remaining envelopes from the IN drawer and replace them with plain paper or whatever you'll be using next.

LABELS

You can use your HP DeskJet 720C Series printer to print sheets of labels. We recommend Avery Inkjet Labels, which are designed for your inkjet printer.

1 Click the *Setup* tab in the HP print settings box. Then select *Plain Paper* as the paper type and *Normal* as the print quality. (See page 9 for how to get to the HP print settings box.)



2 Fan the edges of the label sheets to separate them.

Paper Pointers

LABELS THAT WORK

Use only U.S. Letter or A4-sized sheets of labels. It's particularly important to pick labels that are made especially for inkjet printers. Otherwise, labels could peel off in your printer or the ink might not dry.

LABELS THAT WON'T WORK

- Sheets of labels that are folded, curled, wrinkled, or partially used can get stuck in the printer.
- Old labels or labels that have gotten very hot might not stick well because the glue has deteriorated.

Paper Pointers

Label it

When you're thinking about labels, why stop at envelopes or file folders? You can organize your media library by printing labels for videotapes, audio cassettes, and computer diskettes.

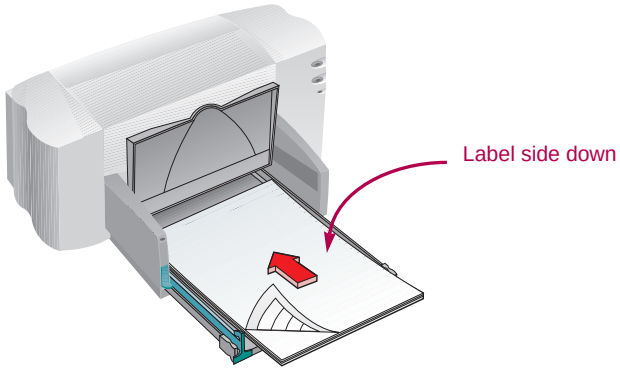
Save on labels

To save on label sheets, print a test on ordinary paper first. Then hold the paper up to the light on top of the labels to check the spacing and to see how the text aligns on the label. Make adjustments as needed.

Ship it

Scan your logo in full color, and add it to your company address to print distinctive (and inexpensive!) labels for packages and manila envelopes. Avery makes both white and clear shipping labels for inkjet printers.

3 Remove all paper from the IN drawer and insert up to 20 label sheets.



4 Slide the green paper adjusters in to fit snugly against the stack.

5 Push the IN drawer back in and flip the OUT tray down.

6 Print the labels.

After Printing

- You can leave the settings as they are if you're going to be printing on plain paper.
- Remove the label sheets from the IN drawer and replace them with plain paper or whatever you'll be using next.

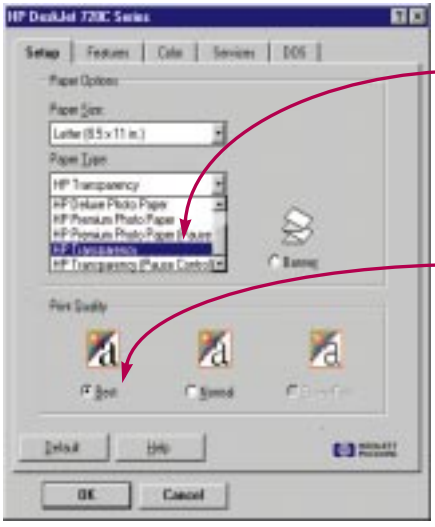
TRANSPARENCIES

For best results when printing your overhead presentation, use HP Premium Transparency Film or transparencies specifically designed for inkjet printers.

1 In the HP print settings box, click the *Setup* tab. Select *HP Transparency* or *HP Transparency (Pause Control)* as the paper type, and click *Best* as the print quality. (See page 9 for how to get to the HP print settings box.)

See the Paper Pointer on this page for information on using Pause Control.

It isn't absolutely necessary to use the *Best* print quality, but it'll give you the best results. If you're in a hurry, use *Normal* print quality.



Paper Pointers

YOUR BEST BET

The film coating on HP Premium Transparency Film has been especially developed to work with HP inks, giving you crisp images and text and the fastest drying times. They won't jam your printer, either. Look for them at large office supply stores, or call HP Direct (see page 53).

PAUSE CONTROL

Transparencies need longer drying times than regular paper. The printer dries them automatically before it releases them. If you don't want to wait for the drying process, choose the *Pause Control* option, which stops the printer after each transparency is printed so that you can then take it out of the printer. Set it aside to dry and press the Resume button on the front of your printer to continue printing.

What If

The ink never dries or there are cracks in the solid blocks of color

- You might have printed on the wrong side of the transparency. Make sure to put it into the printer rough side down.
- You might be trying to print on a transparency that wasn't meant for an inkjet printer.

The quality isn't what you were expecting

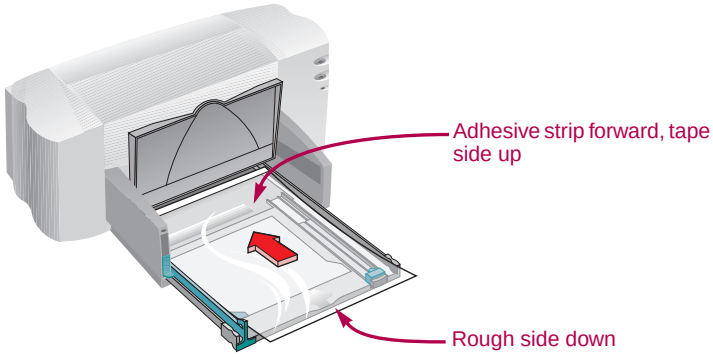
You might not have chosen the right paper type and print quality. Follow the steps in the procedure above, and try printing again.

Handy Hints

Protect your transparencies

If you want to make notes on your transparency as you talk, print the transparency as a flipped document (described on page 18).

2 Put the transparencies in your printer with the rough side down and the adhesive strip forward. (You can peel off the adhesive strip after printing.)



3 Slide in the green paper adjusters, just as you would for plain paper. Push the IN drawer back in and flip the OUT tray down.

4 Print the transparency.

5 Be patient.

Because the printer uses more ink, lays the colors down more slowly, and allows for a longer drying time between sheets, transparencies take a while to print.

After Printing

- Change the paper type in the HP print settings box back to *Plain Paper* or to whatever is appropriate for what you'll be printing next.
- Remove any remaining transparencies from the IN drawer and replace them with plain paper or whatever you'll be using next.

PHOTOGRAPHS

For the best results, use HP Deluxe Photo Paper or HP Premium Photo Paper for exceptional quality photo images.

1 Click the *Setup* tab in the HP print settings box. Then select *HP Deluxe Photo Paper* or *HP Premium Photo Paper* as the paper type. The print quality automatically changes to *Best.* (See page 9 for how to get to the HP print settings box.)

2 Load the paper as you would for normal printing.

Make sure you insert the paper glossy-side down.

3 Print the document.

For the best results, remove each sheet promptly after printing, and allow it to dry glossy-side up. (The drying time will vary depending on the humidity.)

AFTER PRINTING

- Change the paper type in the HP print settings box back to *Plain Paper* or to whatever is appropriate for what you will be printing on next.
- Remove the photo paper from the IN drawer and replace it with plain paper or whatever you'll be using next.

Paper Pointers

MAKE A GOOD IMPRESSION

Use HP Deluxe Photo Paper for best results when you're printing photographic images; its glossy surface provides crisp, vibrant images. When you select this paper in the HP print settings box, the printer uses Kodak Image Enhancements technology, which gives you excellent skintones and true-to-life landscape colors.

Alternatively, use HP Premium Photo Paper to produce spectacular photos that look and feel like traditional photos.

Paper Pointers

Printing non-standard cards

If the dimensions of your card aren't listed in the *Paper Size* box, print it as for non-standard paper sizes (page 14).

How thick is too thick?

You'll find recommended media weights on page 49. If you want to use another weight card stock, give it a try.

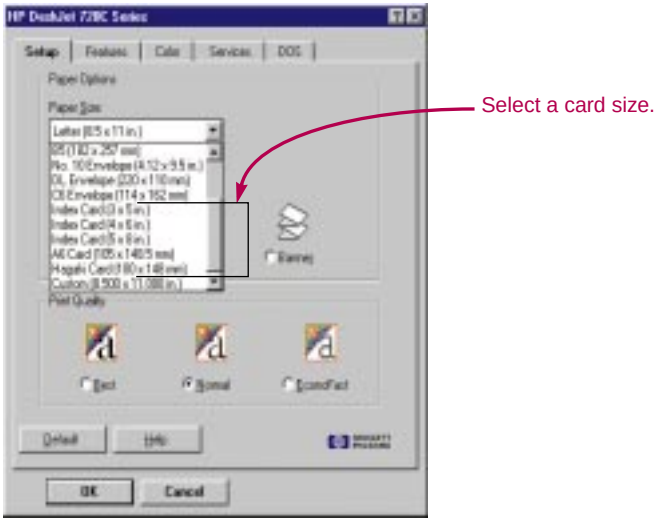
Card stock

By mail, or in a paper-specialty store, you can choose from literally hundreds of cards with preprinted designs for every occasion—you just add your own personal message. You'll also find letter-sized sheets of perforated business cards. Postcards come this way, too. Some of the cards have preprinted designs for added style.

Cards

Use your printer to print on index cards, recipe cards, postcards, business cards—any card size included in the *Paper Size* list on the *Setup* tab shown below. (You can print on other-sized cards, too, as described on page 14.)

1 In the HP print settings box, click the *Setup* tab, then select a card size in the *Paper Size* box. (See page 9 for how to get to the HP print settings box.)



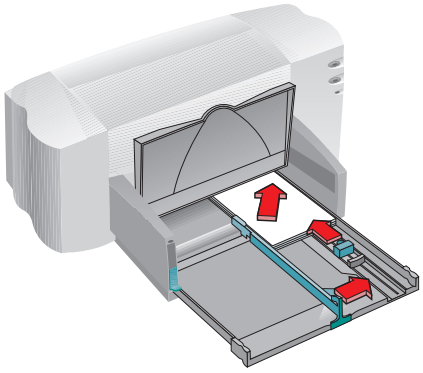
2 Slide out the IN drawer, slide out the green paper adjusters, and flip up the OUT tray.

3 Place a stack of up to 30 cards (6 mm or 1/4 inch) in the drawer.

Make sure the orientation of the cards matches the orientation you've selected in your software program.

4 Slide the green paper adjusters in so that they fit snugly against the cards.

Slide the paper-width adjuster to the right so that it holds the card stack snugly against the right edge of the IN drawer. If the cards are too small to be held securely by the paper-length adjuster, push the green sliding adjuster in until it fits snugly against the edge of the stack.



5 Push in the IN drawer and flip down the OUT tray.

6 Print the cards.

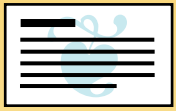
After Printing

- Change the paper size in the HP print settings box back to *Letter* or *A4* or to whatever is appropriate for what you will be printing next.
- Remove any remaining cards from the IN drawer and replace them with plain paper or whatever you'll be using next.

Paper Pointers

If you want your cards to print sideways

Make sure the orientation of the page is *Landscape* in your software program. (The software program user's guide will tell you how.)



Making folded cards

HP makes a Greeting Card Paper with 20 blank white sheets and matching envelopes. Create your own design and message in a special program, such as Microsoft Publisher or Print Shop Deluxe, that can format folded cards.

Print following the directions for printing on regular paper on page 5. Then fold the paper into a card. Look for the HP Greeting Card Paper at a large office or computer supply store, or call HP Direct (see page 53).

Handy Hints

Follow your software

The software program you're using might require special settings before it'll print banners correctly on your printer. Check out the banner information on either the *How do I?* tab or on the *Troubleshooting* tab in the HP Toolbox for information regarding your specific software program.

Paper Pointers

Your best bet

If you use HP Banner Paper, your banners will print with fewer paper jams and with brighter color and denser blacks. It's easy to use, too—you don't have to tear off those pesky perforated strips! Look for it at a large office supply store, or call HP Direct (see page 53).

Banner paper that won't work

Avoid coated paper—for example, paper that's colored on one side and not the other.

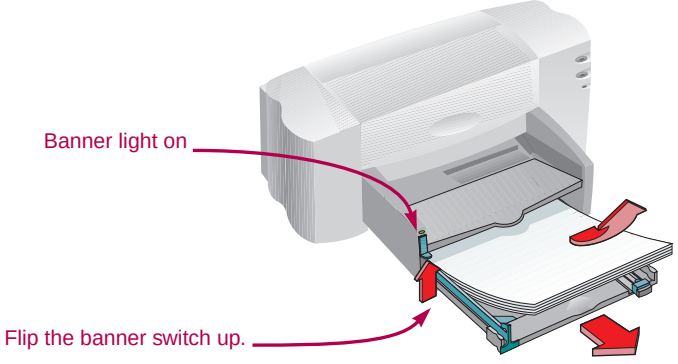
Banners

We encourage you to use HP Banner Paper for the very best results. However, if you use computer or z-fold paper for your banners, we recommend that you use 20-pound or 75 gsm paper. Always do a good job of fanning the paper before loading it.

1 In the HP print settings box, click the *Setup* tab and then click *Banner*. Then, in the *Paper Size* box, select *Letter* or *A4*. (See page 9 for how to get to the HP print settings box.)

2 Flip the banner switch up.

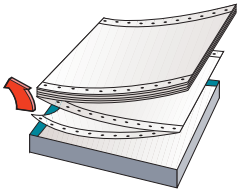
The banner light goes on and the OUT tray lifts slightly, enabling the printer to pick up the banner paper.

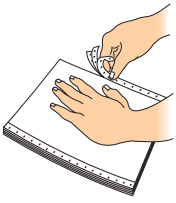


3 Remove all paper from the IN drawer.

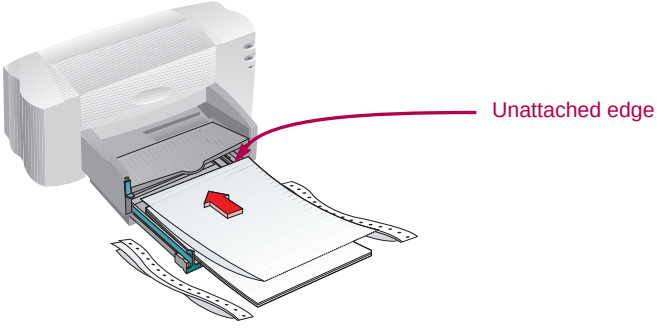
4 Get the banner paper ready for the printer:

- From the stack of banner paper, tear off the number of sheets you need to print the banner. (You must have at least five sheets in the stack.)
- Tear off the perforated strips, if there are any.
- Fan the stack so that the pages don't stick together in the printer.





5 Put the paper in the IN drawer so that the unattached edge is at the top of the stack. Insert the stack edge first into the IN drawer until it stops.



6 Slide the paper adjusters so that they fit snugly against the edges of the paper stack.

7 Push the IN drawer back in.

8 Print the banner.

You'll notice that the printer and banner paper go through some start-up movements before it starts printing. Also, banner printing takes a while; it might be several minutes before you see the results.

What If

The banner has a big gap or a crease where you don't expect it

The printer might be picking up more than one sheet of paper at a time. Take the paper out, then fan the stack. Also be sure the top and bottom margins are set to zero in your banner program. Print the banner again.

The banner paper jams in the printer

- You might not have clicked *Banner* on the *Setup* tab in the HP print settings box.
- Try putting in more than five, but fewer than 20, sheets of paper.
- Make sure the banner switch is up.
- See the online troubleshooting for the appropriate settings for specific software programs.
- Make sure you remove all paper before loading the banner paper.

What If

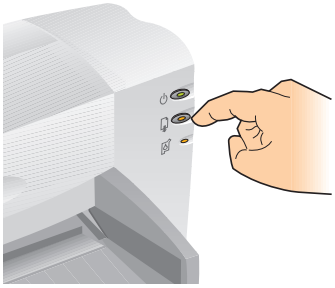
You get a message that says you're out of paper, but you're not

You might not have pushed the paper-length adjuster in all the way. Make sure it's snug against the paper, and try printing again.

The text is fuzzy after printing a banner

If the print quality seems especially poor when you switch from banner printing, you might have forgotten to reset the printer for normal printing.

9 After your banner is printed, if the Resume light is blinking, press the Resume button as many times as needed until all the banner paper is out of the printer.



Resume button

After Printing

- Click *Cut-Sheet* in the HP print settings box.
- Flip the banner switch down so that the light goes off.
- Put paper in the IN drawer.

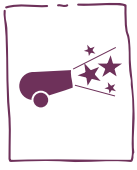
Iron-On Transfers

When it comes to printing images, you don't need to stop with paper. Use transfer paper to get the images from the computer document onto cloth. You'll need:

- the t-shirt or other cloth you want to transfer an image onto
- the document containing the picture or text you want to print
- iron-on transfer paper, which you can buy at a computer or office supply store.

Here's how you do it

1. On your computer, open the document containing the text or picture you want to transfer to the t-shirt.
2. In the HP print settings box, click the *Setup* tab. Select *HP Premium Inkjet Paper* as the paper type.
3. If you want the text or picture to print as you see it on the screen, flip the document by clicking *Flip Horizontal* on the *Features* tab.
4. Load the transfer paper transparent-side down in the printer.
5. Print the transfer.
6. Follow the instructions included with the iron-on transfer paper to transfer the image onto your shirt.



After Printing

- Click the *Flip Horizontal* box in the print settings box to clear it.
- Replace the transfer paper with your everyday paper.

Paper Pointers

Beyond T-shirts

Although 100% cotton t-shirts are a popular choice for iron-on transfers, you need not stop there. Transfer a photo onto an apron, or add the company logo to baseball caps, sun visors, and tote bags for the company picnic.

Working Together

HP Iron-On T-Shirt Transfers are designed to work with your printer and HP ink to give you a professional silk screen look.

CHAPTER

4

Getting Help When Things Go Wrong

When problems occur, the quickest way to find a solution is to use the online troubleshooting feature. With a few clicks of the mouse button, you'll find your specific problem and details on how to fix it.

CLICK YOUR WAY TO A SOLUTION

If the print cartridge light ⎚ continues to blink after you install new cartridges, check the part numbers on the cartridges.

Black: 51645A
Color: C1823A

1 Double-click the Toolbox shortcut (or icon) on your desktop first. (See page 11 if you can't find the HP Toolbox.)

2 Click the *Toubleshooting Tab.*

HP 720C Toolbox
How Do I?
Troubleshooting
Printer Services
Help Me Fix My Printer
No page came out of the printer.
A blank page came out.
Placement on the page is wrong.
Print quality is poor.
Having problems printing a banner.
View known software conflicts.

3 Click the appropriate category. (The following pages include an overview of common problems in each category.)

4 What seems to be the problem?

5 Explore the possibilities.

WHAT IF?

No page came out of the printer

Be patient. Complex documents, such as color photographs, take awhile to print. Check the Power ⏻ light; if it's blinking, the printer is processing information.

Power. Make sure the printer is on (the Power ⏻ light on the front of your printer should be on) and that all connections are firm.

Cover. Make sure the top cover of the printer is closed.

Paper. Make sure you put paper in the IN drawer correctly.

Communications. If you see a "Printer Not Responding" message on your screen, you might be using the wrong cable. (The bidirectional HP IEEE-1284 Compliant Parallel Interface Cable is recommended.)

Print cartridges. Make sure both print cartridge cradles contain properly installed cartridges with the correct part number.

Paper Jam. Make sure no paper is stuck in the printer. See page 6 for more information.

CHECK ONLINE TROUBLESHOOTING FOR MORE HELP.

A blank page came out of the printer

Tape. Make sure you've removed the protective pieces of tape on the print cartridges.

Default printer. Make sure you've selected the HP DeskJet 720C Series printer as the default printer. To check your default printer, click the *Troubleshooting* tab in the HP Toolbox, and then click *A blank page came out*. Under *Wrong printer selected*, click the button for complete instructions on setting a default printer and follow the steps on your screen.

Ink. You might have run out of ink. Replace the cartridges as shown in step 4 of the setup guide.

Faxes. If you've received an electronic fax at your computer and the printer prints a blank page when you try to print the fax, try saving the fax in a graphic format (such as TIF). Then place it in a word-processing document, and print from there. Alternatively, see online troubleshooting for the solution.

CHECK ONLINE TROUBLESHOOTING FOR MORE HELP.

The text or graphics are in the wrong place

Paper orientation. If the printing is positioned incorrectly on the page, make sure you've selected the correct orientation (*Portrait* or *Landscape*) on the *Features* tab of the HP print settings box.

Alignment. If the color ink and black ink don't line up on the printed page, you might need to align the print cartridges. In the HP Toolbox, click the *Printer Services* tab, and then click *Align the print cartridges*.

Loading. If the printing is slanted or skewed, try reloading the paper and make sure the rear access door is properly locked, as described on page 6.

Margin settings. If text is running off the edge of the page:

- Make sure the margins are set correctly in your software program.
- Make sure the elements in your document fit within the printable area of the page (see page 48.)
- Make sure you've selected the right paper size on the *Setup* tab of the HP print settings box.

CHECK ONLINE TROUBLESHOOTING FOR MORE HELP.

The print quality is poor

Banner switch. Make sure the banner switch is down, unless you're printing banners.

Paper. If the printing is faded or the colors are dull or bleeding into each other, make sure you're using paper intended for inkjet printers, that the correct paper setting is chosen in the software, and that you've loaded the paper print side down.

Cartridges. If ink is smearing or is splotchy:

- You might need to clean the ink cartridges. In the HP Toolbox, click the *Printer Services* tab, and then click *Clean the print cartridges*.
- You might need to replace the ink cartridges, as described in step 4 of the setup guide.

Ink. You can control the amount of ink on the page by changing the print quality (on the *Setup* tab of the HP print settings box).

- If the printing appears faded or the colors are dull, click *Normal* or *Best* instead of *EconoFast*.
- If the colors bleed into one another or the ink smears on the sheet, click *Normal* or *EconoFast* instead of *Best*.
- You might be running out of ink. Replace the cartridges as explained in step 4 of the setup guide.

CHECK ONLINE TROUBLESHOOTING FOR MORE HELP.

Something on the page is wrong or missing

Margin settings. If the printing is cut off around the edges, check your software program to make sure that:

- The margins are set correctly.
- The elements are scaled correctly.

Colors. If the colors are wrong or missing:

- You might need to clean your color print cartridge. In the Toolbox, click the *Printer Services* tab, and then click *Clean the print cartridges*.
- You might need to replace the color ink cartridge, as described in step 4 of the setup guide.
- Make sure you haven't selected *Print in Grayscale* on the *Setup* tab of the HP print settings box.

Communications. If meaningless characters are printing on your page, the computer might have lost communication with your printer. Make sure all cables are plugged in tightly. Make sure you're using a bidirectional cable. To test the cable, in the HP Toolbox, click the *Printer Services* tab, and then click *Test the printer communication.*

CHECK ONLINE TROUBLESHOOTING FOR MORE HELP.

You're having trouble printing a banner

Print settings. If you haven't selected the correct print setting, you'll get a paper mismatch error message. Cancel the job and make sure you've clicked *Banner* on the *Setup* tab of the HP print settings box. Resend your job to the printer.

Banner switch. If the paper jams, make sure you've pushed the banner switch up and inserted the banner paper all the way into the IN drawer.

Loading. If several sheets feed into the printer together, try unfolding and folding the paper to get more air between the sheets.

Paper. If the paper creases as it passes through the printer, the paper might be inappropriate for banner printing. HP Banner Paper is highly recommended.

Margin gap. If you see gaps in the printing at the ends of the sheets, a problem might exist in your software program. See online troubleshooting for more information.

CHECK ONLINE TROUBLESHOOTING FOR MORE HELP.

FOR DIRECTIONS TO ONLINE TROUBLESHOOTING SEE PAGE 40-41.

Printer Communications

Your printer does not include a printer cable. The HP IEEE-1284 Compliant Parallel Interface Cable is best for your printer. Make sure the cable is bidirectional—that is, that it allows two-way communication between your printer and the computer. This type of cable allows you access to all your printer's features.

If you don't know whether your printer cable is bidirectional, you can find out by following these steps:

1. Make sure the printer cable is securely connected to both the printer and the computer.
2. Make sure both the printer and the computer are turned on.
3. Click the *Printer Services* tab of the HP Toolbox.
4. Click *Test printer communication.*

   The printer software tests the communication between your computer and your printer and tells you if you have bidirectional communications.

   If the cable is bidirectional, you should have access to all the features of your HP DeskJet 720C Series printer.

   If the cable is not bidirectional, the printer might be unable to send messages to the computer screen, but the printer will still be able to print.

Buttons and Lights

There are two buttons and three lights on the front of the printer. The lights indicate when the printer is operating correctly or when it needs attention from you. The buttons are used to control the printer.

Power Button and Light	When lit indicates that the printer is turned on.
Resume Button and Light	Blinks when there is a problem concerning paper. Correct the problem and press the button.
Print Cartridge Light	Blinks when there is a problem concerning a print cartridge. Correct the problem. When the problem is corrected and the top cover is closed, the light will stop blinking.

If two or more lights blink at the same time, there is a printer problem. Correct the problem and turn the printer off then back on again. See the *Troubleshooting* tab of the HP Toolbox for solutions.

Customer Support

If you have questions, either general ones regarding how your printer works or specific ones regarding a problem you're having, you have several possibilities for getting the answers.

Troubleshooting Using the Toolbox

If you have a specific problem, the quickest way to find a solution might be right at your fingertips. Check the online troubleshooting feature, located in the HP Toolbox. (See page 11 to find out how to get to the Toolbox.) If the suggestions in the Toolbox don't solve your problem, you still have many options, as described in the following paragraphs.

Electronic Support Information

If you have a modem connected to your computer and subscribe to an online service or have direct access to the Internet, you can obtain a wide variety of information about your printer:

User Forums

You can get friendly help from knowledgeable users and system operators in the CompuServe (Go HPPER) and America Online (keyword: HP) user forums. In the user forums, you can leave your question and check back later for ideas and solutions suggested by other users. You can read through old messages left by other users to see if anyone else has had a problem similar to yours and has provided the solution online

HP Web Site

If you have access to the Internet, you can check out HP's web site at URL **http://www.hp.com** or **http://www.hp.com/go/peripherals** for support documentation and the latest news from HP.

Printer Software

Printer software (also referred to as a printer driver) allows your printer to talk with your computer. HP provides printer software and software upgrades for Windows 3.1*x*, Windows 95, and Windows NT 4.0. For DOS printer software, contact the manufacturer of your software program. You have several options for getting software.

- Download the driver by accessing CompuServe, America Online, or HP's Web site (see Web address above).
- If you are in the U.S., setting up your printer for the first time, and do not have a CD-ROM drive, you can order the software on 3 1/2" disks by calling the toll free phone number listed on the printer software CD case. Disks will be delivered to you the next day for no charge.
- If you are in the U. S. and need a software upgrade you can order by calling 1-303-739-4009. Software upgrades are available for the cost of the disks plus shipping.
- If you are outside the U.S. call Customer Support.

Handy Hints

User Forums

Both forums keep a list of FAQs (Frequently Asked Questions) which you can peruse for hints.

CompuServe: Access the HP Peripherals forum (Go HPPER).

America Online: Access the HP forum. Click "keyword" on the "Go To" menu, type "HP," and press the ENTER key to bring the HP forum home page directly to your screen.

Repairing Your Printer

To speak to someone to verify that your printer needs repair, please call the HP Telephone Support Center. If your printer requires repair, the HP Support Agent will coordinate the process. This service is free of charge during the warranty period of your printer. Beyond the warranty period, repairs will be charged on a time and materials basis.

Free Support for Ninety Days

Within 90 days from the time of your purchase, telephone support is provided to you free of charge. Before placing a call for help, please make sure that:

- you have checked your user's manual and online troubleshooting for installation troubleshooting tips
- you are seated in front of your computer, with your printer nearby
- you have the following information available:
  - your printer's serial number (the label is on the back of the printer)
  - your printer's model number (the label is on the front of the printer)
  - the model of the computer
  - the version of the printer driver and software application (if applicable)

A Note about Letters

If you need technical help from a technical support person, we recommend that you call us, while you're in front of your computer and printer, rather than writing a letter to us. That way we can help you with your questions immediately!

Calling HP Customer Support

To speak with someone for online technical assistance, call one of the following numbers. This service is free during the warranty period of your printer. However, you will be charged for the call.

■ Argentina	541781-4061/69
■ Austria	06.60.63.86
■ Australia	(03) 92728000
■ Belgium (Dutch)	02.626.88.06
■ Belgium (French)	02.626.88.07
■ Brazil	55 11 709-1444
■ Canada (English)	(208) 344-4131
■ Canada (French)	(905) 206-4383
■ Denmark	39.29.40.99
■ Finland	02.03.47.288
■ France	01.43.62.34.34
■ Germany	0180.52.58.143
■ Hong Kong	2800-7729
■ Italy	02.2.641.0350
■ Ireland	01.662.55.25
■ Malaysia	03-2952566
■ Mexico D.F.	326 46 00
■ Mexico, Guadalajara	669 95 00
■ Mexico, Monterey	378 42 40
■ Netherlands	020.606.87.51
■ New Zealand	(09) 356-6640
■ Norway	22.11.62.99
■ Portugal	01.44.17.199
■ Singapore	2725300
■ Spain	90.23.21.123
■ Sweden	08.61.92.170
■ Switzerland	084.880.11.11
■ Thailand	02-6614011
■ United Kingdom	0171.512.52.02
■ English (Non-UK)	+44.171.512.52.02
■ U. S.	(208) 344-4131
■ Venezuela	58 2 239 5664

After the Warranty

You can still get help from HP, for a fee. Prices are subject to change without notice. (Online help is still available for free!)

- For quick questions in the United States only, call (900) 555-1500. The charges are $2.50 per minute and begin when you connect with a support technician.
- For calls from Canada, or for calls in the U.S. that you anticipate might be longer than ten minutes in length, call (800) 999-1148. The fee is US$25 per call, charged to your Visa or MasterCard.
- If during your phone call, it is determined that your printer requires repair, and you are within your printer's hardware warranty period, your phone charges will be reversed.

CHAPTER 5

More About Your Printer

Until now, we've been talking about the what, where, and how of your printer. If you're ready for some simple facts about the printer and printer supplies, here they are.

System Requirements

- Microsoft Windows 3.1*x*, Windows 95, or Windows NT 4.0
- **Minimum System Requirements:**

  Windows 3.1*x* and Windows 95
  - 80486/66 MHz CPU
  - 8 MB of RAM

  Windows NT 4.0
  - 80486/66 MHz CPU
  - 16 MB of RAM

- **Recommended System Requirements:**

  Windows 3.1*x* and Windows 95
  - Pentium/75 MHz CPU
  - 8 MB of RAM

  Windows NT 4.0
  - Pentium/100 MHz CPU
  - 16 MB of RAM

- Allows MS-DOS® printing through Windows 3.1*x* and Windows 95
- Network printing not supported

Note

The HP DeskJet 720C Series printer is a personal printer for Windows®.

A Word about Windows NT 4.0

At the time of publication these features were not available in the Windows NT 4.0 environment:

- Bidirectional communications
- Two-sided printing (Book and Tablet options)
- Ordered printing
- Multiple copies
- Printing from MS-DOS

Minimum printing margins

The printer cannot print outside a certain area of the page, so you must make sure the contents of your document fall within the printable area—that is, within the top, bottom, left, and right margins available for the specific size paper on which you are printing.

When you use nonstandard paper sizes and select the *Custom Paper Size* setting in the HP print settings box, the paper width must be between 3 and 8.5 inches (77 and 215 mm) and the paper length must be between 3 and 14 inches (77 and 356 mm).

Paper Size	Left/Right Margins	Bottom Margin
U.S. Letter 8.5 X 11 in	0.25 in	0.46 in
U.S. letter banner 8.5 X 11 in	0.25 in	0.00 in
U.S. legal 8.5 X 14 in	0.25 in	0.46 in
A4 size 210 X 297 mm	3.2 mm	11.7 mm
A4 banner 210 X 297 mm	3.2 mm	0.00 mm
A5 size 148 X 210 mm	3.2 mm	11.7 mm
B5 size 182 X 257 mm	3.2 mm	11.7 mm
Executive 7.25 X 10.5 in	0.25 in	0.46 in
U.S. cards 4 X 6 in	0.125 in	0.46 in
U.S. cards 3 x 5 in	0.125 in	0.46 in
U.S. cards 5 x 8 in	0.125 in	0.46 in
A6 cards 105 X 148 mm	3.2 mm	11.7 mm
Hagaki postcards 100 x 148 mm	3.2 mm	11.7 mm

Note: The top margin is 1 mm for all paper sizes (except for banner paper).

Envelope Size	Left Margin	Right Margin
U.S. No. 10 4.12 x 9.5 in	0.04 in	0.46 in
DL 220 X 110 mm	1 mm	11.7 mm
C6 114 X 162 mm	1 mm	11.7 mm

Note: The top and bottom margins are 3.2 mm for all envelope sizes.

Note

DOS margins can vary. See the manual for the specific DOS program for more information.

Cartridges and ink

To get the best performance and clearest output from your printer, Hewlett-Packard recommends using only genuine HP supplies in HP inkjet printers. Damage resulting from the modification or refilling of HP print cartridges is specifically excluded from coverage of HP printer warranties.

Refilling an HP print cartridge pushes the electronic and mechanical components of the cartridge past their normal life cycle, creating many potential problems, such as the following:

Poor Print Quality

- Non-HP ink can contain components that cause nozzles to become clogged, resulting in streaked copy and graying or fuzzy characters.
- Non-HP inks can contain components that corrode the cartridge's electrical components, resulting in poor printouts.

Potential Damage

- If ink from a refilled cartridge leaks, the excess ink could damage the service station that caps the cartridge while it is in the printer but not in use. Because this service station maintains the health of the cartridge, print quality problems might occur with the cartridge.
- If ink from a refilled cartridge leaks onto the electrical components in your printer, severe printer damage can occur, causing down-time and repair costs.

Caution

Damage resulting from the modification or refilling of HP cartridges is specifically excluded from the coverage of HP printer warranties.

Note

When buying replacement print cartridges check part numbers carefully so that you buy the right ones (Black–51645A, Color–C1823A).

SPECIFICATIONS

Print Technology
Drop-on-demand thermal inkjet printing

Black Print Speed*
EconoFast:	8 pages per minute
Normal mode:	5 pages per minute
Best mode:	4 pages per minute

Color Print Speed (mixed text and graphics)*
EconoFast:	4 pages per minute
Normal mode:	1.5 pages per minute
Best mode:	0.5 pages per minute

Color Print Speed (full page color)*
EconoFast:	1.5 pages per minute
Normal mode:	0.4 pages per minute
Best mode:	0.2 pages per minute

Black Resolution**
EconoFast:	300 x 300 dpi
Normal mode:	600 x 600 dpi
Best mode:	600 x 600 dpi

Color Resolution (depends on paper type)**
EconoFast:	300 x 300 dpi
Normal mode:	600 x 300 dpi
Best mode:	600 x 600 dpi

Software Compatibility
MS Windows compatible (3.1*x*, 95, and NT 4.0)
DOS application support through Windows 3.1*x* and 95 only

Duty Cycle
1,000 pages per month

Product Certifications
Safety Certifications: CSA, NOM, TÜV, UL, PRC (China), Poland, Russia, Singapore
EMI Certification: Printer with Power Adapter: FCC Part 15 Class B when used with a Class B computer device (USA) CISPR 22 Class B, EMC Directive 89/336/EEC (European Community), VCCI (Japan), RRL (Korea)

Recommended Media Weight
Paper:	16 to 110 lb index 60 to 200 g/m^2
Envelopes:	20 to 24 lb 75 to 90 g/m^2
Cards:	110 lb index max; 0.012 in max thickness 110 to 200 g/m^2 0.3 mm max thickness
Banner Paper:	20 lb, 75 g/m^2

Media Size
Custom size:	Width:	3.0 to 8.5 in 77 to 215 mm
	Length:	3 to 14 in 77 to 356 mm
U.S. letter		8.5 x 11 in
Banner U.S. letter		8.5 x 11 in
U.S. legal		8.5 x 14 in
Executive		7.25 x 10.5 in
U.S. No. 10 envelope		4.13 x 9.5 in
Invitation A2 envelope		4.37 x 5.75 in
Index card		3 x 5 in 77 x 127 mm
Index card		4 x 6 in 102 x 152 mm
Index card		5 x 8in 127 x 203 mm
European A4		210 x 297 mm
European A5		148.5 x 210 mm
Banner European A4		210 x 297 mm
B5-JIS		182 x 257 mm
European DL envelope		220 x 110 mm
European C6 envelope		114 x 162 mm
European A6 card		105 x 148.5 mm
Japanese Hagaki postcard		100 x 148 mm

Media Handling
Sheets:	up to 100 sheets
Banners:	up to 20 sheets
Envelopes:	up to 15 envelopes
Cards:	up to 30 cards
Transparencies:	up to 25 sheets
Labels:	up to 20 sheets of Avery paper labels. Use only U.S. letter-sized or A4-sized sheets. Use only Avery paper labels specifically designed for use with HP inkjet printers.
OUT tray capacity:	up to 50 sheets

Buttons/Lights
Resume, Power, Banner, and Print Cartridge light

I/O Interface
Centronics parallel, IEEE 1284 compliant with 1284-B receptacle

Dimensions
17.5 in wide x 7.3 in high x 14 in deep
446 mm wide x 185 mm high x 355 mm deep

Weight
12 lbs, 5.5 kg

* Approximate figures. Exact speed will vary depending on the system configuration, software program, and document complexity.

** Measured in addressable raster points per inch. 300 DPI multi-level data enhanced with C-REt to selected resolution.

Power Requirements

Power Adapter (universal input)
Input Voltage: 100 to 240 VAC (±10%)
Input Frequency: 50 to 60 Hz (±3 Hz)
Automatically accommodates the world-wide range of AC line voltages and frequencies. There is no on/off switch on the power adapter.

Power Consumption

5 watts maximum when off
5 watts maximum nonprinting
30 watts maximum printing

Operating Environment

Maximum operating temperature:
41°F to 104°F, 5°C to 40°C
Humidity: 15 to 80% RH noncondensing
Recommended operating conditions for best print quality:
59°F to 95°F or 15°C to 35°C
20 to 80% RH noncondensing
Storage temperature: -40°F to 140°F, -40°C to 60°C

Declared noise emissions in accordance with ISO 9296:

	Normal Mode
Sound power level, L_{WAd} (1B=10dB):	5.5 B
Sound pressure level, L_{pAm} (bystander positions):	42 dB

PRINTING FROM DOS

While your HP DeskJet 720C Series is primarily a Windows printer, you can also print from a DOS software program when you run the program within Windows 3.1*x* and Windows 95. At the time of publication this capability was not available in the Windows NT 4.0 environment.

To print from DOS:

1. Make sure the 720C driver is set as the default in Windows.
2. Run the DOS application within Windows.
3. In the DOS application, select *DeskJet 660C* or *DeskJet 550C* as the printer. (You might need a driver for this, which you can obtain from the software vendor.)
4. Print the document.

The print settings available for printing from DOS are located on the *DOS* tab of the HP print settings box* (see page 9 to find out how to find the box). Settings located on the other tabs of the box will not affect printing from DOS.

The following settings are available:

- **Paper Size**. Select the appropriate paper size in the *Paper Size* box.
- **Character Set**. Select the appropriate internal character set (emulated) in the *Character Set* box.
- **Form Feed**. Request the printer to automatically eject paper and re-initiate printing on a new page by clicking the *Form Feed Timeout* check box. Specify the number of seconds it should wait after the last batch of data has been received before ejecting the paper by either typing the number of seconds in the *Seconds* box or by clicking the up or down arrow to select a number.

* **To get to the HP print settings dialog box in Windows 95**: In the task bar, click *Start*. Point to *Settings* and then click *Printers*. Highlight the *HP DeskJet 720C Series* printer icon in the *Printers* box. From the *File* menu, choose *Properties* to display the HP print settings box.

To get to the HP print settings dialog box in Windows 3.1*x*: In the *Program Manager*, double-click the *Control Panel* icon. In the *Control Panel*, double-click *Printers*. In the *Printers* box, highlight *HP DeskJet 720C Series* and click the *Setup* button to display the HP print settings box.

ADDITIONAL SYMBOL SETS AND FONTS

Additional symbol sets and fonts may have been included with your printer on separate DOS Character Set Installation disks.

Installing a special symbol set or font on your computer

1. First install the printer software as described in the setup guide.
2. Put the first installation disk into your computer's floppy disk drive.
3. If you are running Windows 95, click *Start*, and then click *Run*. If you're running Windows 3.*x*, in the Program Manager, click *File*, and then click *Run*.
4. Type the letter of the computer's floppy disk drive (usually A:\ or B:\) followed by PCLSETUP and press the ENTER key. For example:

   C:\>**A:\PCLSETUP**
5. Follow the directions on the computer screen.
6. Remove the last installation disk from the floppy drive when the installation is completed.

Available symbol sets and fonts

See the appropriate language option in the following list.

Hebrew

Symbol Sets: Latin/Hebrew (ISO-8859/8)
PC Hebrew (CP-862)

Fonts:

Proportional Spaced	**Point Sizes**	
David PS	5, 6, 7, 8, 10, 12, 14	
NarkisTam	5, 6, 7, 8, 10, 12, 14	
Miriam PS	5, 6, 7, 8, 10, 12, 14	
Miriam PS Italic	5, 6, 10, 12	
Fixed Space	**Point Sizes**	**Pitches**
Courier	6, 12, 24	5, 10, 16.67, 20
Courier Italic	6, 12, 24	5, 10, 20
Miriam	6, 12, 24	5, 10, 24
Miriam Italic	6, 12, 24	5, 10, 24
David	6, 12, 24	5, 10, 16.67, 20

Arabic

Symbol Sets: HP Arabic-8
PC Arabic (CP-864)

Fonts:

Proportional Spaced	**Point Sizes**	
Ryadh	5, 6, 7, 8, 10, 12, 14	
Fixed Space	**Point Sizes**	**Pitches**
Naskh	6, 12, 24	5, 10, 20
Naskh	7, 14, 28	58.5, 17
Koufi	6, 12, 24	6, 12, 24

Cyrillic

Symbol Sets: PC-Cyrillic (CP-866)
Latin Cyrillic (ISO-8859/5)

Fonts:

Proportional Spaced	**Point Sizes**	
CG Times	5, 6, 7, 8, 10, 12, 14	
CG Times Italic	5, 6, 7, 8, 10, 12, 14	
Univers	5, 6, 7, 8, 10, 12, 14	
Univers Italic	5, 6, 10, 12	
Fixed Space	**Point Sizes**	**Pitches**
Courier	6, 12, 24	5, 10, 16.67, 20
Courier Italic	6, 12, 24	5, 10, 20
Letter Gothic	6, 12, 24	6, 12, 24
Letter Gothic Italic	6, 12, 24	6, 12, 24

Greek

Symbol Sets: PC-8 Greek (CP-866)
Latin/Greek (ISO-8859/7)

Fonts:

Proportional Spaced	**Point Sizes**	
CG Times	5, 6, 7, 8, 10, 12, 14	
CG Times Italic	5, 6, 7, 8, 10, 12, 14	
Univers	5, 6, 7, 8, 10, 12, 14	
Univers Italic	5, 6, 10, 12	
Fixed Space	**Point Sizes**	**Pitches**
Courier	6, 12, 24	5, 10, 16.67, 20
Courier Italic	6, 12, 24	5, 10, 20
Letter Gothic	6, 12, 24	6, 12, 24
Letter Gothic Italic	6, 12, 24	6, 12, 24

Baltic

Symbol Sets: PC Latvian/Russian
PC Lithuanian/Russian
PC Lithuanian CP-772

Fonts:

Proportional Spaced	**Point Sizes**	
CG Times	5, 6, 7, 8, 10, 12, 14	
CG Times Italic	5, 6, 7, 8, 10, 12, 14	
Univers	5, 6, 7, 8, 10, 12, 14	
Univers Italic	5, 6, 10, 12	
Fixed Space	**Point Sizes**	**Pitches**
Courier	6, 12, 24	5, 10, 16.67, 20
Courier Italic	6, 12, 24	5, 10, 20
Letter Gothic	6, 12, 24	6, 12, 24
Letter Gothic Italic	6, 12, 24	6, 12, 24

Thai

Symbol Sets: TIS (TAPIC23)

Fonts:

Fixed Space	**Point Sizes**	**Pitches**
Thai Courier, Courier Bold, Courier Italic, and Bold Italic	12	10
Thai Courier, Courier Bold, and Courier Italic	10	12
Thai Courier, Courier Bold, and Courier Italic	24	6
Thai Line Printer	8.5	16

ORDERING SUPPLIES AND ACCESSORIES

Parts/ Supplies/Accessories	HP Reorder Number
Print Cartridge	
Black print cartridge	51645A
Color print cartridge	C1823A
Paper *	
HP Banner Paper	
U.S. letter, 100 sheets	C1820A
210 x 297 mm, 100 sheets	C1821A
HP Premium Inkjet Transparency Film	
U.S. letter, 50 sheets	C3834A
U.S. letter, 20 sheets	C3828A
European A4, 50 sheets	C3835A
European A4, 20 sheets	C3832A
HP Premium Heavyweight Paper	
U.S. letter, 100 sheets	C1852A
European A4, 100 sheets	C1853A
HP Premium Inkjet Paper	
U.S. letter, 200 sheets	51634Y
European A4, 200 sheets	51634Z
HP Greeting Card Paper	
U.S. letter: 20 sheets, 20 envelopes	C1812A
European A4: 20 sheets, 20 envelopes (210 X 297 mm pre-scored)	C6042A
HP Deluxe Photo Paper	
U.S. letter, 20 sheets	C6055A
Asian A4, 20 sheets	C6056A
European A4, 20 sheets	C6057A
HP Premium Photo Paper	
U.S. letter, 15 sheets	C6039A
Asian A4, 15 sheets	C6043A
European A4, 15 sheets	C6040A
HP Bright White Inkjet Paper	
U.S. letter, 500 sheets	C1824A
U.S. letter, 200 sheets	C5976A
European A4, 500 sheets	C1825A
European A4, 200 sheets	C5977A
Transfer Media *	
HP Iron-On T-Shirt Transfers	
U.S. letter, 10 sheets	C6049A
European A4, 10 sheets	C6050A

**Availability of special media varies by country.*

Parts/ Supplies/Accessories	HP Reorder Number
HP IEEE-1284 Compliant Parallel Interface Cable *(with one 1284-A connector for the computer port and one 1284-B connector for the printer port)*	
2-meter length	C2950A
3-meter length	C2951A
Power Adapter (worldwide)	C4557-60004
Power Cords	
U.S., Canada, Brazil, Latin America, Saudi Arabia	8120-8330
Japan	8120-8336
U.K., Singapore, Malaysia	8120-8341
Middle East, Hong Kong	
South Africa	8120-8347
India	8120-8345
Australia, Argentina	8120-8337
China, Taiwan, Philippines	8120-8346
Korea	8120-8339
Europe, Jordan, Lebanon, North Africa, Israel, Russia, Baltic countries, Thailand, Indonesia, Caribbean, Latin America	8120-8340
Top Cover (Access Door Assembly)	C4557-40052
Cable Access Door (I/O Cover)	C4557-40101
Rear Access Door Assembly	C4557-60076
HP DeskJet 720C Series Printer Documentation Kits	***Manual Kits***
Arabic	C5870-60035
Czech	C5870-60036
Danish	C5870-60037
Dutch	C5870-60038
English	C5870-60014
Finnish	C5870-60039
French	C5870-60022
German	C5870-60040
Greek	C5870-60041
Hebrew	C5870-60042
Hungarian	C5870-60043
Italian	C5870-60045
Japanese	C5870-60015
Korean	C5870-60046
Norwegian	C5870-60047
Polish	C5870-60048
Portuguese	C5870-60024
Russian	C5870-60049
Simplified Chinese	C5870-60050
Spanish	C5870-60023
Swedish	C5870-60051
Thai	C5870-60052
Traditional Chinese	C5870-60053
Turkish	C5870-60054

ORDERING INFORMATION

To order printer supplies or accessories, call your nearest HP dealer or call HP DIRECT at the following numbers for fast shipping service.

- **Argentina:** (54 1) 787-7100
  Fax: (54 1) 787-7213
  Hewlett-Packard Argentina, Montañeses 2150
  1428 Buenos Aires, Argentina
- **Australia/New Zealand:** (03) 895-2895
  China Resources Bldg.
  26 Harbour Road
  Wanchai, Hong Kong
- **Belgique-Belgie:** 02/778 3092 (or 3090, 3091)
  Fax: 02/778 3076
  Hewlett-Packard Belgium SA/NV
  100 bd. de la Woluwe/Woluwedal
  1200 BRUXELLES
- **Brazil:** 55-11-7296-4991
  Fax: 55-11-7296-4967
  Edisa Hewlett-Packard SA, R. Aruana 125, Tambore, Barueri, São Paulo, Brazil, 06460-010
- **Canada:** (800) 387-3154, (905) 206-4725
  Fax: (905) 206-3485/-3739
  Hewlett-Packard (Canada) Ltd., 5150 Spectrum Way
  Mississauga, Ontario L4W 5G1
  Toronto: (416) 671-8383
- **Chile:** (56 2) 203-3233
  Fax: (56 2) 203-3234
  Hewlett-Packard de Chile SA
  Av. Andres Bello 2777, Oficina 1302
  Las Condes, Santiago, Chile
- **Danmark:** 45 99 14 29
  Fax: 42 81 58 10
  Hewlett-Packard A/S
  Kongevejen 25, 3460 BIRKEROD
- **Deutschland:** 07031-145444
  Fax: 07031-141395
  Hewlett-Packard GmbH, HP Express Support
  Ersatzteil-Verkauf, Herrenberger Str. 130
  71034 BOEBLINGEN
- **Espana:** 1 6 31 14 81
  Fax: 1 6 31 12 74
  Hewlett-Packard Espanola S.A.
  Departamento de Venta de Piezas
  Ctra N-VI, Km. 16,500
  28230 LAS ROZAS, Madrid
- **France:** (1) 40 85 71 12
  Fax: (1) 47 98 26 08
  EuroParts, 77 101 avenue du Vieux Chemin de Saint-Denis
  92625 GENNEVILLIERS
- **International Sales Branch:** (41) 22 780 4111
  Fax: (41) 22 780-4770
  Hewlett-Packard S. A., ISB
  39, rue de Veyrot
  1217 MEYRIN 1, GENEVE - SUISSE
- **Italia:** 02/9212.2336/2475
  Fax: 02/92101757
  Hewlett-Packard Italiana S. P. A.
  Ufficio Parti di ricambio
  Via G. Di Vittorio, 9
  20063 Cernusco s/N (MI)
- **Japan:** (03) 331-6111
  Yokogawa-Hewlett-Packard Ltd.
  29-21 Takaido-Higashi 3-chone, sugninami-ku
  Tokyo 168
- **Latin America Headquarters:** (305) 267-4220
  Fax: (305) 267-4247
  5200 Blue Lagoon Drive, Suite 950
  Miami, FL 33126
- **Mexico:** (52 5) 258-4600
  Fax: (54 1) 258-4362
  Hewlett-Packard de México, S.A. de C.V
  Prolongación Reforma #700
  Colonia Lomas de Santa Fe, C.P. 01210 México, D.F.
- **Nederland**: 0 33 450 1808
  Fax: 0 33 456 0891
  Hewlett-Packard Nederland B. V., Parts Direct Service
  Basicweg 10
  3821 BR AMERSFOORT
- **Norge**: 22735926
  Fax: 22735611
  Hewlett-Packard Norge A/S, Express Support
  Drammensveien 169-171
  0212 Oslo
- **Osterreich - South-East Area**: (43-0222) 25 000, ext. 755
  Fax: (43-0222) 25 000, ext. 610
  Hewlett-Packard Ges.m.b.H.
  Ersattzteilverkauf
  Lieblg. 1
  A-1222 Wien
- **Suisse / Schweiz:** 056/279 286
  Fax: 056/279 280
  Elbatex Datentechnik AG
  Schwimmbastrasse 45, 5430 WETTINGEN
- **Suomi/Finland:** (90) 8872 2397
  Fax: (90) 8872 2620
  Hewlett-Packard Oy
  Varaosamyynti, Piispankalliontie 17
  02200 ESPOO
- **Sverige:** 8-4442239
  Fax: 8-4442116
  Hewlett-Packard Sverige AB
  Skalholtsgatan 9, Box 19
  164 93 KISTA
- **United Kingdom**
  +44 1765 690061, Fax: +44 1765 690731
  Express Terminals, 47 Allhallowgate
  Ripon, North Yorkshire

  +44 181 568 7100, Fax: +44 181 568 7044
  Parts First, Riverside Works
  Isleworth, Middlesex, TW7 7BY

  +44 1734 521587, Fax: +44 1734 521712
  Westcoast, 28-30 Richfield Avenue
  Reading, Berkshire, RG1 8BJ
- **United States:** (800) 227-8164
- **Venezuela:** (58 2) 239-4244/4133
  Fax: (58 2) 207-8014
  Hewlett-Packard de Venezuela C.A.
  Tercera Transversal de Los Ruices Norte, Edificio Segre, Caracas 1071, Venezuela
  Apartado Postal 50933, Caracas 1050

Elsewhere in the world

- **Hewlett-Packard Company,**
  Intercontinental Headquarters,
  3495 Deer Creek Road, Palo Alto, CA 94304, U.S.A.

REGULATORY NOTICES

FCC Statement (USA)

The United State Federal Communications Commission (in 47CFR 15.105) has specified that the following notice be brought to the attention of users of this product:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interferences by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply within Class B limits of Part 15 of FCC Rules.

Pursuant to Part 15.21 of the FCC Rules, any changes or modifications to this equipment not expressly approved by Hewlett-Packard Company may cause harmful interference and void the FCC authorization to operate this equipment.

LED Indicator Statement

The display LEDs meet the requirements of EN 60825-1.

Power Adapter Statement

The power adapter cannot be repaired. If it is defective it should be discarded or returned to the supplier.

電波障害につい

この装置は、第二種情報装置(住宅地域又はその隣接した地域において使用されるべき情報装置)で住宅地域での電波障害防止を目的とした情報処理装置等電波障害自主規制協議会(VCCI)基準に適合しております。

しかし、本装置をラジオ、テレビジョン受信機に近接してご使用になると、受信障害の原因になることがあります。

取扱説明書に従って正しい取り扱いをして下さい。

사용자 안내문

기종별	사용자 안내문
A급 기기	이 기기는 업무용으로 전자파 장해검정을 받은 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며, 만약 잘못 구입하셨을 때에는 구입한 곳에서 비업무용으로 교환하시기 바랍니다.
B급 기기	이 기기는 비업무용으로 전자파장해검정을 받은 기기로서 주거지역에서는 물논 모든 지역에서 사용할 수 있습니다.

비고 A급: 업무용 기기를 말한다.
B급: 업무용 기기 외의 기기를 말한다.

LIMITED WARRANTY STATEMENT

HP Product	Duration of Limited Warranty
Software	90 Days
Print cartridges	90 Days
Printer	1 Year

A. Extent of Limited Warranty

1. Hewlett-Packard (HP) warrants to the end-user customer that HP products will be free from defects in materials and workmanship, for a specified time after the date of purchase by the customer. The duration of this limited warranty is stated above. Certain additional conditions and limitations of HP's warranty are stated elsewhere in the user's guide. Those conditions and limitations include:
   a. For software products, the warranty applies only to the media upon which the product is recorded; and
   b. HP does not warrant the operation of any product to be uninterrupted or error free.
2. HP's limited warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any:
   a. Improper or inadequate maintenance;
   b. Software or interfacing not supplied by HP;
   c. Unauthorized modification or misuse;
   d. Operation outside the product's environmental specifications, including duty cycle abuse or use of a mechanical switchbox without a designated surge protector;
   e. Use of unsupported printing media or memory boards; or
   f. Improper site preparation or maintenance.
3. For HP printer products, the use of a non-HP print cartridge or a refilled print cartridge does not affect either the warranty to the customer or any HP support contract with the customer; print cartridge includes both toner cartridges and ink cartridges. However, if printer failure or damage is attributable to the use of a non-HP or refilled print cartridge, HP will charge its standard time and materials charges to service the printer for the particular failure or damage.
4. If any software media product or print cartridge product proves defective during the applicable warranty period, and if the product is covered by HP's warranty, the customer shall return the product for replacement.
5. If HP receives, during the applicable warranty period, notice of a defect in a hardware product that is covered by HP's warranty, HP shall either repair or replace the product, at its option. Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced.
6. If HP is unable to repair or replace, as applicable, a defective product that is covered by HP's warranty, HP shall, within a reasonable time after being notified of the defect, refund the purchase price for the product, provided the customer returns the product.
7. HP's warranty is valid in any country where the HP products listed above are distributed by HP, except for the Middle East, Africa, Argentina, Brazil, Mexico, Venezuela, and France's "Departements D'Outre Mer"; for those excepted areas, the warranty is valid only in the country of purchase. Contracts for additional warranty services, such as on-site service, may be available from any authorized HP service facility where the listed HP product is distributed by HP or an authorized importer.
8. This Limited Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.

B. Limitations of Warranty

1. NEITHER HP NOR ANY OF ITS THIRD-PARTY SUPPLIERS MAKE ANY OTHER WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO HP PRODUCTS. HP AND ITS THIRD PARTY SUPPLIERS SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
2. To the extent that this Limited Warranty Statement is inconsistent with the law of the locality where the customer uses the HP product, this Limited Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain limitations of this Limited Warranty Statement may not apply to the customer. For example, some states in the United States, as well as some governments outside the United States (including provinces in Canada), may:
   a. Preclude the disclaimers and limitations in this Warranty Statement from limiting the statutory rights of a consumer (e.g., Australia and the United Kingdom);
   b. Otherwise restrict the ability of a manufacturer to make such disclaimers or impose such limitations; or
   c. Grant the customer additional warranty rights, specify the duration of implied warranties that the manufacturer cannot disclaim, or not allow limitations on how long an implied warranty lasts.
3. To the extent allowed by local law, the remedies provided in this Warranty Statement are the customer's sole and exclusive remedies.

C. Limitation of Liability

1. EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS WARRANTY STATEMENT, IN NO EVENT SHALL HP BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY AND WHETHER ADVISED ON THE POSSIBILITY OF SUCH DAMAGES.

Declaration of Conformity

according to ISO/IEC Guide 22 and EN 45014

Manufacturer's Name: Hewlett-Packard Company

Manufacturer's Address:

Hewlett-Packard Co.
Vancouver Division
18110 S.E. 34th Street
Vancouver, WA 98683

Hewlett-Packard Singapore (PTE) Ltd.
Asia Hardcopy Manufacturing Operation
20 Gul Way
Singapore 629196

Hewlett-Packard Espanola, S.A.
Barcelona Division
Avinguda Graells, 501
08190 Sant Cugat del Valles
Barcelona, Spain

declares, that the product(s):

Product Name:	DeskJet Printers	AC Power Adapter
Model Number(s):	C45870A, C5871A	C4557-60004
Product Options:	All	

conforms to the following Product Specifications:

Safety: IEC 950 : 1991 Second Edition +A1 +A2 +A3/EN 60950 : 1992 +A1 +A2 +A3
IEC 825-1 : 1993/EN 60825-1 : 1994 Class 1 for LEDs

EMC: EN 55022 : 1994 Class B/CISPR 22 : 1993 Class B
EN 50082-1 : 1992
IEC 801-2 : 1991 Second Edition/prEN 55024-2 : 1992: 4 kV CD, 8 kV AD
IEC 801-3 : 1984/prEN 55024-3 : 1991 -3 V/m
IEC 801-4 : 1988/prEN 55024-4 : 1993: 0.5 kV Signal Lines, 1 kV Power Lines
IEC 1000-3-2 : 1995/EN 61000-3-2 : 1995*
IEC 1000-3-3 : 1994/EN 61000-3-3 : 1995

Supplementary Information:

The products herewith comply with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carry the CE marking accordingly.
The products were tested in a typical configuration.
*Products have less than 75 Watts active input power.

Vancouver, WA., April 10, 1997

Al Grube
Customer Assurance Manager

European Contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department ZQ/ Standards Europe, Herrenberger Straße 130, D-7030 Böeblingen FAX: +49-7031-143143

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Reduce, Reuse, Recycle

Protecting the Environment

Hewlett-Packard continuously improves the design and production processes of HP DeskJet printer to minimize the negative impact on the office environment and on the communities where the printers are manufactured, shipped, and used. Hewlett-Packard has also developed processes to minimize the negative impact of the disposal of the printers at the end of printing life.

Reduction and Elimination

Printer Packaging: Packaging materials, cushions, accessories and boxes have been reduced, saving roughly 50% in fuel and, therefore, fuel emissions.

Ozone: All ozone-depleting chemicals (CFCs, for example) have been eliminated from Hewlett-Packard manufacturing processes.

Recycling

Printer Packaging: The boxes used to ship printers from the distribution centers, the expanded polystyrene packaging inserts, and the clear polyethylene bags containing the printer drivers are 100% recyclable.

Plastic Parts: Major manufactured plastic parts are marked as to the plastic content to facilitate product recycling.

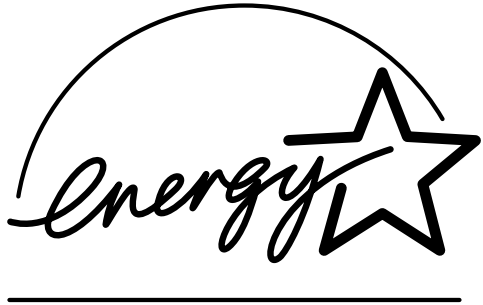
Print Cartridges: Hewlett-Packard is conducting several pilot programs to take back print cartridges for material reclamation and environmentally-sound disposal. Call your Hewlett-Packard representative for current status.

Printers: Hewlett-Packard accepts used and obsolete printers for component recycling. Call your Hewlett-Packard sales office for instructions.

Manuals: The manuals in this kit are printed on recycled paper.

Energy Consumption

The HP DeskJet printer uses only 4.5 watts in stand-by mode, which easily qualifies it as an energy-saving computer printer under the U.S. Environmental Protection Agency's Energy Star Computers program. The EPA estimates that if all desktop PCs and peripherals in the U.S. were to qualify, the overall savings in electricity could amount to over $1 billion each year. It could also prevent the emission of 20 million tons of carbon dioxide per year (the equivalent output of 5 million cars).



Energy Star is a U.S. registered service mark of the United States Environmental Protection Agency.

Get more from your printer

Look inside for detailed illustrated steps that tell you how to print just about anything, from letters, to labels, to photographs, to banners, and much more...

See Snapshots in Color

Print any picture you take with your own camera, whether it's an Instamatic or a Nikon. See page 19 for details.

Handy Printing Hints

Browse the book for ideas — from how to print a t-shirt to how to print a postcard.

What if Printing Doesn't Go Perfectly?

This book is full of tips to serve as your safety net. It also tells you how to access the extensive HP Toolbox help provided as part of the printer's software.

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